

AMERICAN RAILROAD JOURNAL, AND ADVOCATE OF INTERNAL IMPROVEMENTS.

PUBLISHED WEEKLY, AT No. 35 WALL STREET, NEW-YORK, AT THREE DOLLARS PER ANNUM, PAYABLE IN ADVANCE.

D. K. MINOR, EDITOR.]

y

ses, ioil ipe less rea ully

NT

nding in ci-those ed for d five n the ion of jable

time

Ohio

ments rvey-pinion levels accu-

bean t they

eer. 633. to give manu-y state d with

The

Raji

ight be pry to perus-m25

SATURDAY, SEPTEMBER 6, 1834.

IVOLUME III.-No. 35.

CONTENTS:

Internal Improvements; On the Construction of Rail-	
roads	5
On the Location of Railroad Curvatures, (continued).	5
Rockwell's Patent Vault Light; Report of the Frank-	
lin Institute on Weights and Measures ; &c	
On the Proposed Ship Canal from Oswego through	
Utica to Albany	5
The Pawnee Indians; Love and Romance, &c	5
Literary Notices	
Foreign Intelligence	
Summary	5
Advertisements, &c	
Poetry-On the Death of a Young Friend; On a	
Dead Child : Advertisements	56

AMERICAN RAILROAD JOURNAL, &c.

NEW-YORK, SEPTEMBER 6, 1834.

Internal improvements within our State, by her own resources, are in every sense more desirable than if made or aided by the United States: yet there are certainly exceptions to this. Such, for instance, are the improvement of so great a thor oughfare as the Hadson, and the connection of the great lakes, by cutting a ship canal round the falls of Niagara. These clearly fall within the prevince and duty of the General Government.

For the Hudson, a small appropiation of \$70,000 has already been made by Congress. Captain Tal. cott, an accomplished officer of the United States Engineers, has, it is understood, been ordered to take charge of the work. According to the tenor of the law, the improvement, towards making which this sum was voted, is to be effected in conformity with a plan laid down in a report made some years ago by Col. Dewitt Clinton. What that precise plan is, we know not, not having the report; but from the nature of the stream itself, and of its tributaries, we apprehend great, if not insuperable, difficulties will be found, in any attempt permanently to deepen the obstructed channel. The quantities of earth, timber, &c. brought down by the spring freshes, and the ber, &c. brought down by the spring freshes, and the at this time, (the season is dry,) the heavy rich meadows through which the river passes, will, stage, with its small wheels of narrow tire, and it may be feared, constantly accumulate fresh depopites-at or near the Overslaugh, After all, perhaps, a ship canal from Troy to Hudson would be

haps, a ship canal from Troy to Hudson would be found, in the end, the cheapest, as it certainly would be an effectual, substitute for an obstructed river.

The other work which the United States must one day undertake—and they cannot perhaps undertake agara. This, as every one who has seen the ground may have perceived, is easily practicable; and as, by the time it shall be completed, the free navigation of the St. Lawrence should be conceded to us by Great Britain—as a right, not as a favor—as deduced should be conceded to us by Great Britain—as a right, not as a favor—as deduced should be conceded to us by Great Britain—as a right, not as a favor—as deduced should be conceded to us by Great Britain—as a right, not as a favor—as deduced should be conceded to us by Great Britain—as a right, not as a favor—as deduced should be conceded to us by Great Britain—as a right, not as a favor—as deduced should be conceded to us by Great Britain—as a right, not as a favor—as deduced should be conceded to us by Great Britain—as a right, not as a favor—as deduced should be conceded to us by Great Britain—as a right, not as a favor—as deduced should be conceded to us by Great Britain—as a right, not as a favor—as deduced should be conceded to us by Great Britain—as a right, not as a favor—as deduced should be conceded to us by Great Britain—as a right, not as a favor—as deduced should be conceded to us by Great Britain—as a right, not as a favor—as deduced should be conceded to us by Great Britain—as a right, not as a favor—as deduced should be conceded to us by Great Britain—as a right, not as a favor—as deduced should be conceded to us by Great Britain—as a right, not as a favor—as deduced should be conceded to us by Great Britain—as a right, not as a favor—as deduced should be conceded to us by Great Britain—as a right, not as a favor—as deduced should be conceded to us by Great Britain—as a right, not as a favor—as deduced should be conceded to us by Great Britain—as a right provided and the wheels, they make a track o

ing from any peculiar relations existing between that country and this-there would by that channel, and by the ship canal which this State is expected to construct from Oswegs to the Hudson, be two new outlets opened to the sertile regions of the West.

Thus much of internal improvements by the agency of the general government.

This State, meanwhile, has a great work to perform, in which this city is full as much interested as that portion of the country where it is to be effected-a Railroad through the South Western tier of Counties. Facilities for this route greater than the most sanguine hopes had anticipated, have, it is said, been developed by the survey; and when it is considered how little has been done for that portion of the State, and how important it is in the active competition going on for the trade of the Western States, to obtain a communication with Lake Erie, as far Sonth as possible, so as to be available late in the fall and early in the spring without interruption from frost, it will be admitted that the proposed Railroad through the South Western tier of Counties has strong claims upon the State for aid.

from the general principles that nation has been allor one fourth of an inch, but immediately afparty to and sustained in Europe, and not as result- ter the rain it dries and recovers its solidity, and this result would be accelerated and per-fected by the passing of such wheels as "J." has suggested. From the showing of this wri-ter and various articles which have appeared in the Journal, it is manifest that the advantage which a railroad has over a road of earth is limited to a road level, or nearly so; and that when you arrive at an ascent of one in fifty, it is even better than a railroad. Can this be so? Few railroads can be constructed without occasional ascents as great as one in fifty. But evidently, if a line of road have one such inclination, this, of course, limits the performance of the locomotive, for, practically, it is of no use to give it a greater load on the level portion than it can take over the ascent; and all the advantage which a railroad has over a road of earth, practically, is lost. Nay, if it should have one ascent near to that which requires additional aid, it is greatly superior, and that superiority increases rapidly as the inclination is greater. I say again, can it be so? What

But, furthermore, the construction of a rail-road is a nice affair; every part must be kept perfectly tight and in its place; only small wheels can be used; and, although for trial and exhibition a lecomotive may run even 40 or 50 has strong claims upon the State for aid.

3° See page 552.

On the Construction of Railroads.

To the Editor of the Railroad Journal:

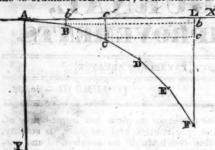
Sir,—You know it is only a matter of course that I should read the article of "J." on the subject of a road of earth expressly for steam carriages, in your 32d number, with peculiar gratification. It is by no means certain that the subject will attract the attention of those who are most interested, and able to turn the suggestions to a good practical account. I hope it may. However, I offer you a few further observations in relation to it of a plain character. Experience must show what kind of road is best for this purpose. I observe, that at this time, (the season is dry,) the heavy stage, with its small wheels of narrow tire, and when full of passengers and baggage, (near 3 tons,) in passing by my door, if the wheels happen to go a little out of the common track, which has been beaten into dust by the horses' shoes and the wheels, they make a track or in-

On the Location of Railroad Curvatures; being an Investigation of all the Principal Formulas which are required for Field Operations, in laying Curves and Tangent Lines, to pass through Given Points. By J. S. VAN DE GRAAPP. Continued from page 533, [For the American Railroad Journal.]

13. Let AB, BC, CD, &c. represent the su cessive chains by which a given curve ABCD, &c., may be traced from its origin at the station A, in such a manner as to touch a given right line, AX, at that station; and let EF represent the nth chain, counted from the origin at A.

Taking AX, and AY, for a system of rectan-

gular co-ordinate axes, it is proposed to investi-gate formulas which will express the values of the co-ordinates AL and LF, of the station at F.



Put x = AL, and y = LF. The inclination of the first chain AB, to the axis of x, is found by Art. 10 to be = T; and therefore the projections of AB upon the co-ordinate axes will be, $Ab' = AB \cdot Cos. T$, and $Lb = AB \cdot Sin. T$. But as all lines are supposed to be measured in chains, it follows that the projections of AB was the coordinate axes. chains, it follows that the projections of AD upon the co-ordinate axes are, Ab' = Cos. T, and Lb = Sin. T. Again, by Art. 10, the inclination of the second chain BC to the axis of x is y = 3T, and consequently the projections of BC upon the co-ordinate axes, are $b'c' = \cos 3T$, and $bc = \sin 3T$.

In like manner let each of the other chains be projected upon the co-ordinate axes; and then taking the sums of those projections, the fol-lowing equations will obviously be the result. $x = \cos T + \cos 3T + \cos 5T + \dots$

$$x = \cos x + \cos x + \cos x + \cos x + \cos x$$

$$\cos x + \cos x$$

$$y = \sin x + \sin$$

The reason for writing the last term, in each of these two series, as the nth term, requires no explanation; and the sum of n terms of each series being taken agreeably to the known principles of analytical trigonometry, the following formulas will be the result,

$$x = \frac{\sin \cdot 2nT}{2 \sin \cdot T}$$

$$y = \frac{\sin \cdot 2nT}{\sin \cdot T}$$
(VI.)

The form in which the expressions (VI.) appear is that most convenient for logarithmic computations; and it is also a form which will be required hereafter for other purposes. But for use in the field, with a table of natural sines and cosines, the expression for the value of y may have a better form. Thus, agreeably to the principles of analytical trigonometry, $2 \sin^2 nT = 1 - \cos^2 nT$; and consequently the expressions (VI.) become,

$$x = \frac{\sin 2nT}{2 \sin T}$$

$$y = \frac{1 - \cos 2nT}{2 \sin T}$$
(VII.)

Such are the formulas which it was proposed Such are the formulas which it was proposed to investigate. For an example in figures, let the modulus of curvature be 1°, and suppose it were required to find the values of AL and LF, corresponding with the extremity of the 40th chain. In this case, then, $2nT=80^\circ$; and by the table of natural sines and cosines, at the end of this volume, I find Sin. $80^\circ = .98481$, Gos. $80^\circ = .17365$, and Sin. $1^\circ = .01745$; hence,

$$x = \frac{.98481}{.03490} = 28.214 \text{ chains}; \text{ and}$$
 $y = \frac{1 - .17365}{.03490} = \frac{.82635}{.0349} = 23.675 \text{ chains}.$

If, therefore, the chain used in tracing the curve be 100 feet in length, then AL = 2821 feet, and LF = 2367 feet.

14. Let the modulus of curvature be give from which a circular are is traced in the field with a given chain; it is then proposed to determine the radius of the arc described.

It is very obvious that when n is made variable in (VII.), the maximum value of x will express the required radius; but when x is a naximum, it follows that Sin. 2nT must be a maximum also, if it be supposed that Sin. T remains constant. Now, the quantity Sin. 2nTobtains its maximum value when $2nT = 90^{\circ}$; in which case Sin. 2nT = 1. Hence, denoting the radius of the described circle, in chains, by R, the result is,

$$R = \frac{1}{2 \operatorname{Sin. T}} \cdot \qquad (VIII.)$$

The most simple formula which can possibly be obtained to express the radius of curvature may be had by means of the cosecant of the angle T. For by the principles of trigonome-

try, Cosec. $T = \frac{1}{\sin T}$; and consequently (VIII.) becomes,

$$R = \frac{1}{2} \text{ Cosec. T.} \qquad (IX.)$$

To save the trouble of computation, the fol lowing table is here subjoined:

Т	R	T	R	T	R
0°. 3'	572.96	1°. 3'	27.28	20. 3	13.98
6'	286.48	6'	26.05	6'	13.65
9'	190.99	9'	24.91	9'	13.33
12'	143.24	12'	23.88	12'	13.03
15'	114.59	15'	22.92	15'	12.74
18'	95.49	18'	22.04	18'	12.46
21'	81.85	21'	21.22	21'	12.19
24'	71.62	24'	20.47	24'	11.94
27	63.66	27'	19.76	27'	11 70
30	57.30	30'	19.10	30'	11.46
33'	52.09	33'	18.49	33'	11.24
36	47.75	36'	17.91	36'	11.02
39	44.07	39'	17.37	39'	10.81
42'	40.93	42'	16.85	42'	10.61
45		45'	16.37	45'	10.42
48'	35.81	48'	15.92	48'	10.24
51'	33.70	51'	15.49	51'	10.06
54'		54'	15.08	54'	9.88
57'	30.16	57'	14.69	57'	9.72
1°. 0'		20. 0	14.33	30. 0	9.55

For an application of the above table to an example, suppose it be required to determine the radius corresponding to a modulus of curvature of 1°, as in the last numerical example. Looking in the column marked R, and opposite to 1° in the column marked T, I find 28.65, which is therefore the radius in chains; and if the modulus of curvature, 1°, appertains to a chain whose length is 100 feet, then the radius of the arc described will be 2865 feet. But if the modulus of curvature, 1° , has reference to a chain whose length is only 50 feet, then the curve traced will have a radius of only the half c, d, &c. denote the rectangular lines, originating at f, and traced in .

curve traced will have a radius of only the half of 2865 feet.

15. It appears from (VIII.) that the radius of curvature is directly as the length of the chain, and inversely as the sine of the modulus of curvature. Hence, if the radius of curvature be given, then the length of the chain will be directly proportional to the sine of the modulus of curvature. If therefore a curve be traced from a given modulus T, and with a chain whose length is unity, and it be required to find what modulus will trace the same curve with a chord whose length in chains is p, let the required modulus be denoted by T, and we have the proportion 1:p:: Sin. T: Sin. T'; from which is obtained the formula,

Sin. $T' = p \times \text{Sin. T}$. (X.)

$$\sin_{\mathbf{r}} \mathbf{T}' = \mathbf{o} \times \mathbf{Sin} \mathbf{T}. \qquad (\mathbf{X})$$

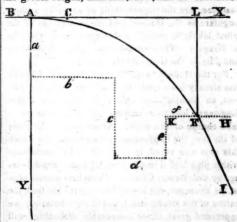
Example. Suppose the length of the chain to be 100 feet, and let it be required to determine the modulus of curvature which will trace a curve whose radius is 10743 feet, by taking chords whose lengths are 10 chains each. Here the radius of curvature is 107.43 chains; and by inspecting the table of radii, given in the last article, I find that the radius 107.43 is situated between the moduli. 0° 15. 107.43 is situated between the moduli, 0° and 0° 18'; and therefore, by proportional parts, I find the true modulus which corresponds to the radius 107.43 to be 0° 16', and which would, consequently, trace the proposed curve with the given chain. Hence, Sin. $T' = 10 \times Sin. 0^{\circ} 16' = 10 \times Sin. 0^{\circ} 16'$

.00465 = .0465; and by the table of natural sines, I therefore find $T' = 2^{\circ}$ 40, which is the modulus required.

In all cases where the angle T' does not exceed two or three degrees, the result obtained from (X.) will not differ, by any material quantity, from that obtained agreeably to the principle given in Article 5.

16. Take a system of rectangular co-ordinate axes, having their origin at a given station in a tangent line, from which a certain required curve is to be laid, passing through a point designated by the co-ordinates x, y; the given tangent line coinciding with the axis of x. Parallel respectively to each of the co-ordinate axes, let any number of rectangular lines be traced from the origin, and terminating in the point designated for the required curve to meet; these rectangular lines being selected in any convenient manner to pass any obstacle which may happen to occur. Let the algebraic sums of each of those rectangular lines be taken, agreeably to the axis to which they are reagreeably to the axis to which they are respectively parallel. Those sums will obviously give the values of the co-ordinates x, y; and from thence it is proposed to determine a formula, expressing the value of the modulus of curvature of the required curve. And it is also required from the same data, to determine a method by means of which the instrument may be immediately directed into the true tangent at the designated point xy.

Let AX represent the given tangent line, A the given origin, and AX, AY, the co-ordinate



axes. Take F for the given point, designated by the co-ordinates AL = x, and LF = y; and

$$x = b + d + f$$

$$y = a + c - e$$

point F. For this purpose let each of the expressions (VII.) be squared,* and let the last of the two be divided by the sum of the squares; The result therefore is, that a formula must for all the designation of the squares. the result is,

Sin.
$$T = \frac{y}{x^2 + y^2}$$
. (XI.)

The formula thus obtained is remarkably simple, and convenient for use; and it may perhaps be well to observe, that the safest method of recording the lines a, b, c, &c., in the field, will be to take on a piece of paper the form $\begin{cases} x = \\ y = \end{cases}$, and then record each line in its proper equation, and with its proper sign, immediately as their values are deter-mined. Example: A system of rectangular lines having been traced to a designated point, let the resulting equations be $\begin{cases} x = 20 - 2 + 4 \\ y = 8 + 3 + 1. \end{cases}$ In this case, then, x = 22 chains, and y = 12chains, and Sin. $T = \frac{12}{484 + 144} = \frac{12}{628} = .01911$; and by the table of natural sines I therefore find, $T = 1^{\circ} 5\frac{3}{4}$; which modulus will trace the

But if the curve AF, as first determined by means of (XI.) should appear to be too abrupt, or if from any other cause it should be considered advisable to commence the curve from a different origin upon the tangent line AX, as for instance at B or C, and still retain the same point F, then the necessary modulus of curva-ture from the new origin is easily obtained from the former measurements. For taking ∞ to denote the distance AB or AC, the new coordinates will obviously be $x \pm \infty$, and y; and consequently upon the same principle as in (XI.), the required formula for the new modulus is

curve required.

Sin. T' =
$$\frac{y}{x \pm \alpha|^2 + y^2}$$
. (XII.)

If, for example, the curve last considered had been commenced 3 chains back upon the tangent line AX, as at the point B, then the co-ordinates would have been $x + \infty = 25$, and y =12; and, therefore, Sin. $T' = \frac{12}{625 + 144}$.01561; or, $T' = 0^{\circ} 53\frac{3}{4}$; which is the modulus required to trace a curve from the new origin at B, through the point F.

The direction of the tangent will now be considered. It is very evident that the two curves considered in the two last examples will have very different directions in passing the point F; and it is a matter of considerable importance in the field, after the rectangular lines a, b, e, &c., have been traced to any proposed point, to be able to examine, by the direction of the instrument, what the direction of the curve would be passing from the origin through that given point. Indeed, in different situations, a cannot be selected without such a datum and if the rectangular lines, a, b, c, &c. were not sufficient to furnish that datum with facility, a curve would have to be actually laid upon the ground in order to judge of its fitness, even if we knew a point F through which it would pass. A formula for this purpose is however easily obtained from the rectangular lines a, b, c, &c. Let FI represent a tangent from the point F; there would then, evidently, be no difficulty in directing the instrument, when placed at F, into the position FI, if we knew the inclination of that tangent to the original tangent AX, at the origin. For supposing KF to be the last rectangular line traced, it will, of course, be either parallel to AX, or perpendicular to it; and in either case it furnishes the means of directing the instrument into the line FH, parallel to the original tangent at the origin. We have then only to deflect the angle HFI, equal to the inclination of the two tangents, when that inclination is known, and the direction of the curve at F may then be seen at once, from the position of the instrument, without that delay which would be occasioned by actually tracing

TAX BELL CLAYMENT AND TAX THE PLANTED

The result therefore is, that a formula must be investigated, expressing the inclination of the two tangents, in terms of the given co-ordinates x, y. Take D to denote the inclination dinates x, y. Take D to denote the inclination required; then by (IV.), D = 2nT; and there

fore by (VII.),
$$x = \frac{\sin D}{2 \sin T}$$
, and, $y = \frac{1 - \cos D}{2 \sin T}$.

Hence
$$\frac{\text{Sin. D}}{x} = \frac{1 - \text{Cos. D}}{y}$$
; or, $\frac{\text{Sin. D}}{1 - \text{Cos. D}} = \frac{x}{y}$.

Now, substituting for $\frac{\text{Sin. D}}{1 - \text{Cos. D}}$, its value

Cot. 1/2D, agreeably to the principles of trigo nometry, the following formula is the result,

Cot.
$$\frac{1}{2}D = \frac{x}{y}$$
. (XIII.)

Example 1. Take the same curve which was proposed as an example for (XI.) In this case, then, the co-ordinates are x = 22 chains, and y = 12 chains; and, therefore, Cot. $\frac{1}{2}D =$ 12 = 1.83333; or, by the table of natural cotangents, $\frac{1}{2}D = 28^{\circ}36\frac{1}{4}$; or, $D = 57^{\circ}13$. Hence deflect the angle HFI = 57°13′, and the instrument will then indicate the true direction which the proposed curve would have in passing the point F, if traced from the origin at A, by means

of the modulus of curvature before determined. Example 2. Let the direction of the curve which was proposed as an example for (XII.)

be required.

Here the co-ordinates are $x + \infty = 25$, and y = 12; and, therefore, Cot. $\frac{1}{2}D = \frac{25}{12}$ 12 2.08333. Hence, $1D = 25^{\circ} 381'$, or, $D = 51^{\circ}$ 17'; and consequently, in this case, deflect the angle HFI = 51° 17', to obtain the direction required. This curve would therefore intersect the former, at the point F, with an angle of

In all cases where both of the angles D and T have to be found, the most convenient method will be to determine the value of D by means of (XIII.), and then compute the value of T from that of D. For by a reference to (IV.) and (VII.), the following theorem will be easily deduced,

Sin.
$$T = \frac{\sin D}{2x}$$
. (XIV.)

17. It is frequently necessary that several points should be designated, through which a curve is required to pass, by means of a change of curvature at each of those points. To illus trate this case, and to show the method of ope ration which ought to be pursued under such circumstances, take AX, (see fig. last art...) for the primitive tangent line, and AX, AY, for primitive co-ordinate axes, whose origin is the commencement of the required curve. parallel to those axes, a system of rectangular lines given by the equations

$$\begin{cases} x = a + b + c + &c. \\ y = d + e + f + &c. \end{cases}$$

and terminating at the first designated point. Let the instrument be then placed at that point, and directed into tangent, agreeably to the method explained very fully in the last arti-Take this second taugent as the axis

for all the designated points; and then by means of those equations, and (XIV.), compute all the moduli of curvatures. Returning now with the instrument to the primitive origin at Λ , let each curve be traced from its proper module. dulus of curvature, agreeably to the principles explained in Art. 9; and the line will be found to pass through all the designated points.

If proper care be observed in chaining the

different systems of rectangular lines by means of which the equations \ x =

been obtained, there can be no disappointment in the result; and consequently, if the designated points have been judiciously selected, there will very seldom be a necessity of tracing the same part of a line the second time. And thus the method of co-ordinate axes, in the hands of an individual to whom that term is familiar, is susceptible of being made one of the most important facilities in the field, as will be further illustrated in subsequent articles.

In tracing the various systems of rectangu-lar lines through the different points which may be designated for a curve, there is a principle of practical convenience which must be here mentioned. I mean the principle of designating such points, for a change of curva-ture, as will cause each section of the whole curve, between the designated points, to be composed of an integer number of when those curves come to be ultimately traced, after their respective moduli of curvatures have been ascertained by the methods which have been already explained. It is inwhich have been already explained. It is indeed necessary, in every case, except where the roadway is perfectly horizontal, to know the length of each of those separate curves, in order to select the designated point judiciously with respect to the grade; and this datum must therefore always accompany the levels. When a system of those rectangular lines have been traced to any given point, and the corbeen traced to any given point, and the cor-

responding equations $\begin{cases} x = \\ y = \end{cases}$ have been thus obtained, the distance from the origin to that given point, in a right line, will obviously be truly expressed by $\sqrt{x^2+y^2}$; which is a formula rendered very convenient for use, by means of the table of squares and square roots of numbers, subjoined to this volume. And this quantity may be frequently taken as the length of the intervening curve, by which to compute what the grade would be at that given point, and will always furnish an easy method of obtaining the approximate distan necessary in making a proper selection for the position of a line as far as the levels have an influence. The next object then must be, finally, to designate such a point, as near the point fixed by the levels as a desirable curvature will permit, and which will produce a curve, from the origin, containing an integer number of chains; but as this last condition is only for convenience in subsequently tracing the curve, it must be done without injury to the line, which is in fact always practicable.

Suppose the first system of rectangular lines to be terminated at the first point selected from the nature of the ground. Let $\begin{cases} X=a+b+c \\ Y=d+e+f \end{cases}$

Cot.
$$\frac{1}{2}$$
 D" = $\frac{X}{Y}$
Sin. T = $\frac{\sin D''}{2X}$. (XV.)

[.] See note, Art. 20.

D" will then give the inclination of the new tangent at that point, agreeably to (XIII.); and T will express the modulus of curvature as appears from (XIV.). But if N is not an integer number, take n the nearest integer number to it, and retaining the value of T, compute the corresponding new co-ordinates x, y, by means of (VII.)

Finally, let two other rectangular lines h=x.

—X, and k=y—Y, be traced from the point (X=a+b+c)

producing the equations $\begin{cases} X = a + b + c \\ Y = d + e + f \end{cases}$, and a new point $\begin{cases} x = a + b + c + h \\ y = d + e + f + k \end{cases}$ will be thus obtained, to which a curve being traced from the wrigin by means of the modulus of

from the origin, by means of the modulus of curvature T, it will contain the integer number of chains denoted by n.

[To be continued.]

F In Massachusetts a steam waggon to run on common roads has been invented. Several trials have proved its efficacy. They intend to endeavor to make it pack and unpack all its packages, and keep its own account of freight.

The contracts for the Cumberland Railroad have been taken up, and the workmen have commenced operations.

Good Business .- The number of passengers conveyed on the Worcester Railroad, which is completed only to Needham, during the month of August, was 13,664, and the amount received from them \$4705 66!

The Rochester Democrat contains the following paragraph:

Erie Canal Navigation Suspended!!-Among the strange occurrences of the day, we have to notice Wednesday for the first time, since its completion, a total suspension of business on the Canal at this place. Nor is the suspension of navigation more to be deprecated than the evil of low, and im pure water at this season of the year is to be dread. ed. And when we look to the causes that have pro-duced this state of things, we are the more surpris-ed that our citizens submit to it as patiently as they We assert without fear of contradiction, that there exists no good cause, at this time, why boats should be aground, and that too for a number of days together. And this assertion is backed up by men whose experience is not to be brought into question, that to-day, and for the last two months, since a de ficiency in the canal has been felt, there has been no good reason why we should not have full banks, and business going on as in years past. Years too, when greater droughts have prevailed than at this time, there was no difficulty experienced in feeding the canal at this place from lake Erie, and we again assert, there is no reason why it cannot now be

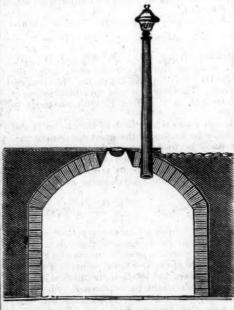
The Baltic Sea.—A paragraph lately published in the London papers from the St. Petersburgh Commer-cial Gazette, mentions, in confirmation of the opinion cial Gazette, mentions, in confirmation of the opinion long entertained that the waters of the Baltic are subsiding, that the water in the port of that city has become considerably lower within the course of the last twenty years. Many facts are quoted in confirmation of the same opinion. It is believed that 2500 years ago Sweden and Norway were a complete Island.—Many tewns on the shores in this sea which were anciently ports for shipping, are now some miles from the sea. The port of Lodisa is now four miles from the sea, and that of Westerwich two miles.— Torneo was once visited by large vessels, it is now in the middle of the peninsula. Many islands which were formerly distinct are now joined together, and others have been united with the continent. Some writers have argued that in 2000 years the Baltic will entirely disappear, and that for want of navigation the inhabitants of the shores will be compelled to resort to railroads for maintaining the commerce with distant countries.—[Boston Daily Advertiser.]

There is now making at the steam engine boiler manufactory of Mr. John Harrison, near St. Mary's bridge, in this town, perhaps the largest vessel that ever was put together in this kingdom, of wrought iron. The dimensions are as follows—Diameter,

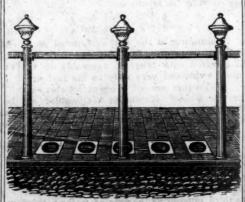
surpose haten present to the point description and a surpose

[Derby Mercury.]

ROCKWELL'S PATENT VAULT LIGHT. Every citizen is aware that the common vault light, or grating, which may be seen on our sidewalks at every few steps, are not only unsightly to the eye, but often positively dangerous. Very frequently they are found loose, often broken, with a bar or two out, and in winter so slippery as to render it hazardous to step upon them. Independent of these considerations, by their openness to permit rain, snow, and dirt, to pass into the vault, and render them wet, cold, and filthy the advantages of Rockwell's Patent Light There is nothing unsightly in are many. their appearance; but, on the contrary, they are ornamental,—are made to set secure in stone, and immoveable, except when it is necessary to remove them. The passenger may put his foot on them with perfect security; and whilst they keep the vault dry, and permit ventilation to go on, possess, in addition, this advantage: they furnish, by means of the glass in the centre, light to enter, and from its convex shape, to radiate on all sides, thus giving light to the vault. Fig. 1 shows the vault, with the light, and a hollow



post through which air will pass. This pipe can be stopped up in winter if necessary, or converted into a chimney. Fig. 2 is intended



equations $\left\{ \begin{array}{l} X=a+b+c \\ Y=d+e+f \end{array} \right\}$, and the angle of the new tangent at that point, agreeably to (XIII.); $\left\{ \begin{array}{l} 47 \text{ feet} ; \text{ depth, 20 feet 3 inches}; \text{ weight, between 50 and 60 tons. It will contain 218,947 imperial gallons, or 980 tons of water, which will be a pressure on the bottom of 88lbs. on the square inch.$ which are admirably adapted for vegetable vaults, where light only is required, thus excluding all cold and wet, but serving as windows to light these hitherto dark apartments.

The durability of this light, compared with the common vault covering, will be found to bear no comparison with the difference in price, which is little more than the most common in use, independent of its superior qualities.

Persons about to build, or those who would wish to improve their vaults, may see this simple, yet beautiful and economical improvement, in front of the Exchange, where two of them have been placed over vaults,—in front of the New-York Gazette,—or at the store of the proprietor, Broadway, near John street. - [Mechanics' Magazine.]

Report of the Managers of the Franklin Institute of the State of Pennsylvania for the Promotion of the Mechanic Arts, in relation to Weights and Measures. Presented in compliance with a Resolution of the House of Representatives. [From the Journal of the Franklin Institute.]

To the Hon. JAMES FINDLAY, Secretary of the Commonwealth of Pennsylvania.

The Managers of the Franklin Institute of the State of Pennsylvania, for the promotion of the Mechanic Arts, respectfully present to the Secretary of the Commonwealth their report in relation to the subject referred to them by the direction of the House of Representatives. At the stated meeting of the Managers next subsequent to the receipt of the communication of the Secretary of the Commonwealth, dated May 29th, 1833, a committee was appointed to consider the subject, and to report to the Managers of the Institute. Their report, which has been unanimously adopted, is now respectfully submitted. It is believed that no more time has been consumed by the committee than was required by a careful investigation of the subject intrusted to them, and the Managers hope that the delay of this report be. yond the time of meeting of the Legislature will be attributed to the necessity of the case.

ALEXANDER FERGUSON, Chairman. WM. HAMILTON, Actuary.

Report in relation to Weights and Measures in the Commonwealth of Pennsylvania. Adopted by the Managers of the Franklin Institute, January 25, 1834.

The Committee of the Franklin Institute, appointed by the Board of Managers to consider the subject of weights and measures, referred to them by direction of the House of Representatives of the Commonwealth, respectfully report:

That since the date of their appointment,

in June last, they have given to the subject the attention which its importance so well deserved. In order to have before them, in a condensed form, the facts relating to the practical bearing as well as to the theory of the matters of inquiry, the Committee requested from three of its members reports upon the systems of weights and measures, of England, and of France, and upon the state of the question in our own country. The reports contained in the appendix, hereAMERICAN RATEROAD BUTENAL, AND

ed system with a scientific basis; and in the third, an abstract of the reports upon weights and measures made to the Congress of the United States, and to the State Legislatures of Pennsylvania and New-York. An examination of these reports will show from how many points our subject has been viewed, and in what varied lights, and how little novelty can be expected in any view which at this time may be submitted. This circumstance will perhaps be found of important practical benefit, for a desire to pre-sent what is novel may have led to much of which the subject is encumbered.

The Committee think that they may assume that the House of Representatives of the Commonwealth, in referring the bill relating "to weights and measures and to ad-measurement" to the Managers of the introduced in existing denominations as will Franklin Institute, did not intend to confine their report exclusively to the consideration of that bill, but rather that it should form the

basis of their investigations.

With this view of their duties, the Committee would propose to consider the subject under two suppositions: the first, that the Legislature of Pennsylvania shall determine, or have determined, to legislate in relation to a system of weights and measures for this Commonwealth, independently of other as, for example, to a certain yard measure in ted in one of its offices, receives injury in states; secondly, that a combined action by the possession of the State, which should be taking it down for examination or in course of the several states, or by the Congress of the

United States, may be admissible.

In legislating upon any matter which in its varied ramifications affects almost every business in which men engage, there cannot be too much caution. Usages have grown as, for instance, the bushel, should be defined in such a case, and the probabilities are up in all trades, which have become a part in reference to the linear standard. This strong of the occurrence at some time of of those trades which require a portion of unit might be taken for both dry and liquid similar cases, that the natural invariable an apprenticeship to learn, in contravening or changing which, by law, the interests of the citizen, if not his rights, are infringed. units for liquid and for dry measure. In re- of a pendulum vibrating seconds or the arc Hence the necessity of entering thoroughly into details which can only be supplied by the members of each art, or trade, from their own knowledge of their own wants, and which should properly vary with the progress of that art; or of leaving such details to adjust themselves, upon the basis of careful legislation upon general principles.

A system of weights and measures, which aims at furnishing such general principles, State. The multiple and submultiple denoshould establish the standard of linear mea-minations to be regulated. And here a quessure, and fix the relation of the standard of tion presents itself, whether it may be posstandard; the experience of Eugland has capacity measures to that of the linear measure; should provide for procuring, preserving, and distributing positive standards of dupois pound, as may be thought advisable. measure and of wieghts, and should refer the entire system to natural invariable standards, by which its permanence might be secured. It should be accompanied by a supplementary law less fixed in its character, which should state the principal denominations of the several measures and of the weights, and their relation to each other and

to the standards.

The system may contemplate an entire change in the standards and in the denominations; or it may aim at providing standards in conformity with those in most common use, and by which the accuracy of existing standards may be at all times tested, and at improving existing denominations.

The case of an entire change is presented by the French metrical system, where throwing aside, in their measures, the denomination of positive

ment; in the second, a brief history of the tions of foot and toise, they adopted a new standards throughout the State, the nature weights and measures of England, with the denomination, the metre corresponding to a of the material of which they shall be made method of connecting the recent and reform- new length, the ten millionth part of a quad- will be an important item. For the materi-Had one currency been in use throughout the inapplicable speculative inquiry with our infant country when the present currency was established, it is not impossible that its beautiful simplicity might, even at this day, have existed only in theory.

Sound policy, nevertheless, requires that, tend to simplify the system, and to bring it gradually nearer to perfection; but even in these, perhaps, the law should follow indications of change dictated by convenience, ble standard. The necessity for this referrather than undertake to lead them.

denominations based upon that in common Positive standards are liable to change by use in our country, would include the follow- accident and by use. Let us suppose a case ing particulars: first, a reference to some in which a standard of measure belonging existing measure as the standard of length; to the Commonwealth, and carefully deposideclared at a certain temperature to be the a comparison of another measure with it. linear unit. The multiple and submultiple The county standards are resorted to, for denominations of this standard should be de- the purpose of recovering the original length clared as lines or nails, inches, feet, perches, of the standard, but if not well preserved, &c. Second, a unit measure of capacity, or if frequently used, they disagree. It is measures, or it might be deemed advisable standard becomes the means of deciding to conform to usage by providing different between the varying measures. The length gard to the denominations an obvious im- of a meridian is measured by using either of provement might be made by avoiding the the measures; the length thus found is the use of the same name for things essentially same number of inches and parts of an inch different, as a gallon for different capacities with that of the pendulum or of the arc, according to its use in dry or in liquid mea- which was previously fixed with reference to sure, a change which would not fail to be the original standard, or is so many parts of sanctioned by general adoption. Third, a reference to a positive standard for weight, of the original measure is known by referas a certain pound in the possession of the sible to have but one unit of weight denomi- shown that, under ordinary care, changes nated the pound, rejecting the troy or avoir-In choosing between them, the difficulty pre-sents itself that the former pound has been legalised by Congress in our coinage, by referring to the standard troy pound in posses. sion of the mint, while the latter is the pound generally used in commerce. It is probable that this innovation could not be made with advantage at present. In regard to the denominations a similar difficulty is presented in the ton, which is either 2,240 or 2,000 lbs. according to locality, or to usage, or to agreement. To the adoption of the ton of 2,000 lbs. technically called the short ton, there does not seem to be any insuperable objections. It is so convenient in practice that it has been legalized by several of the States, and

rant of a terrestrial meridian. The present al of their positive standards of length, the English system is in part of the second kind; French adopted iron, the English brass; for leaving to usage to establish the denomina- those of weight, the former employed platitions, it aims at providing positive standards num for the original standard, and brass for of authority, and of perpetuating them by the copies; the latter brass for both. In their comparison with invariable standards case of the adoption of either metal, it would furnished by nature. The inability of the be important to inquire by experiment more first system to contend against usage, is to carefully than has been hitherto done, into be found in the establishment by law in their relative expansions under different cir-France of a metrical foot, one-third of a me- cumstances of manufacture. This would not tre in length, of a metrical pound half the bear merely upon the theoretical perfection kilogramme of the new system in weight. of the standards, but upon that in practice, for two standards which were alike when made in winter, might, if compared in summer, differ so much that one would be thought to require the expense of alteration. If the yard stick of the merchant will not be changed by this difference, it will become sensible in the chain of the surveyor, and the landholder will find his limits affected by it.

Next, the positive standards thus provided should be referred to some natural invariaence is so frequently denied that the object A system of weights and measures and of would seem not always to be perceived. an inch too long, or too short, and the length ence to that which has been tested. But it is not necessary to resort to any supposition standard; the experience of Eugland has will be found from century to century, and that measures which are at one time easily known and recognized to be the standards, may at some other time be the subjects of antiquarian research. Part of the reproach under which the scientific operations here referred to lie, namely, that they are liable to corrections as science progresses, is due to the fact that experimenters have not been satisfied with stating the results of experiment, but have endeavored to deduce from theory the relation between those results and others in other circumstances, using for this purpose the data furnished by the science of the day. Thus they have not been satisfied with stating that the pendulum vibrating seconds, and in a circular arc, measured with a means described, at a given temperature and pressure, and at a particular spot, was a certain number of inches of the standard; In providing for the distribution of positive but they have undertaken from their experi-

in a vacuum, in a small arc, at an assume temperature and pressure, at the level of the to the same enactments with other regulators that that body have authority to legislate upon sea, and in a particular latitude, and these or inspectors; the want of inspection laws to before the weight of the air, the effect of its buoyancy, &c. were well known and estab. lished, even according to the knowledge of

the day. The Committee, in the discharge of the duty committed to them by the Managers,

proceed to submit their examination of the bill referred by the House of Representatives; in this they will be as brief as is permitted by the fact that many of the provi-sions of it are at this time the law of the State. If the Committee are correct in the ideas which they have already expressed in relation to the requisite enactments for regulating weights and measures, the objection to the bill, on the score of its leaving genewhich relates to admeasurement, in relation

telligible. measured bushel, in regard to which, as far mitted. as the usage of this portion of our State can and of the two which are, one is always are concerned which have weights in proseasons, or, as in the last case, with the moisture of the air, equitable dealing could

not fail to produce such differences. In regard to the scale of anthracite coal, provided for by section twenty-nine, no mention being made of the bituminous coal, usage has established its scale by weight, and no necessity exists for providing a ratio between measure and weight.

The measure of an acre of land, of a cord of wood, or bark, the contents of a hogshead of cider, each is made the special subject of a section, while other superficial measures, the measurement of lumber, &c., the contents of casks of beer, ale, whiskey, &c. &c., are left, as indeed all should be left, to the regulation of inspection laws, or to usage.

Section tenth is liable to similar objections, as providing for a peculiar form to be given to the bushel for measuring lime, which is one only of the many commodities sold by the heaped bushel. A provision for a legal cases. The law provides in section seventh. for both a wine and a beer gallon, a provision which the committee consider particularly objectionable, the inconvenience of two different measures having the same name, is obvious, and practice confirms the concluleast in the city of Philadelphia.

ment to conclude what the length would be regulator of the weights and measures of the power to fix the standard of weights and or inspectors; the want of inspection laws to regulate the duties and fees of the office consideration of the House of Representa-seems to be felt by the citizen who now fills, tives of this Commonwealth, in which the regulate the duties and fees of the office seems to be felt by the citizen who now fills, with industry and zeal, the office of regulator of this city.

Leaving these details, the Committee would urge a general objection to the portion of the bill referring to the positive standard for weights and measures. It is that, after providing for procuring those standards and distributing them, by means which would require an expenditure not at all, however, beyond the necessity of the case, it renders nugatory the whole of the work done, by providing that whenever the United States' standards shall be declared, those of the State shall conform thereto. ral principles to enter partially into details, is The existence of a system which has cost a sound one; this remark has reference the State much time and labor is thereby more particularly to that part of the bill made contingent upon their obtaining standards which may be those adopted by Conto which it will be necessary for the Com- gress at some future day, or upon the want mittee to go into minutiæ, in order to be in- of action of the United States upon the matter. The difficulty of a change after a com-The twenty-seventh and twenty-eighth plete distribution of standards would necessasections establish a certain ratio between the rily be much greater than at a time when weight of different commodities, and the the want of some standard was generally ad-

With great deference to the body who are be ascertained, four of the commodities men- to consider the subject, the Committee have tioned are not bought and sold by weight; prepared an altered draught of a bill in conformity with the views which they have subpurchased at a different weight per bushel mitted in the foregoing, and which they refrom that assigned in the sections, the brew-spectfully submit for examination, under the ers of Philadelphia always buying their bar-supposition that legislation is, at this time, ley at the rate of forty-eight pounds to the deemed advisable. The bill containing the bushel. Salt of all descriptions pays duty at general provisions for a system of weights the rate of fifty-six pounds to the bushel, and measures is accompanied by a suppleand is in all cases sold by measure. The mentary one establishing the legal denominations will probably be found to be different nations. In regard to the manner of this in other parts of the State, for where materials appointment of regulators or sealers of weights and measures, to the securities to be portion to their bulk, varying with soils and required for the faithful performance of their duties, to the penalties for negligence, and to the penalties for infringement of the provisions of the bill, the Committee do not consider it within their province to offer any remarks, further than that they are of opinion that they may conveniently form a separate subject of legislation, and should not be incorporated with the general enactments.

The Committee will next proceed to a more grateful portion of their duty than that which required the criticism of the bill referred to them; namely, to consider the case in which action by the Congress of the United States may be deemed by the Legislature to be advisable. Next to the inconveniences which result from a varying standard of measure and weight in the same community or neighborhood, may be ranked those produced by a want of uniformity in the standards of different contiguous States; for it must happen, in a republic organized as is our own, that the different parts of the same standard bushel would regulate all such State have less frequent communication requiring the use of such standards, than the adjacent parts of the different Commonwealths. So impressed are the Committee with this view, that they would express it as their decided opinion that the most imperfect system of weights and measures which has The Committee would further remark, any one Commonwealth singly. The Constitution laws, for such a period, would hardly that they have not been able to find why the stitution having delegated to Congress the counterbalance the probability of benefit to

ty of Philadelphia should not be subjected measures," there seems to be no doubt but object is rather to fix standards so that they shall not be liable to change for the future, than to make innovations in existing legal standards. Indeed, in most of the laws of more recent origin adopted by several States, there is a distinct provision, that when Congress shall furnish a system of weights and measures for the United States, the temporary State standards shall be made to conform to the national standard. The exceeding importance of uniformity is thus distinctly set forth, from quarters of the highest authority in the different parts of our extended repub-

In the multitude of objects to which the national legislation must be directed, it is hardly to be wondered at, that no action should have taken place upon this one. If the wants of the States, or any of them, should be expressed, Congress could hardly fail to take up a subject upon which so much unanimity of view might be expected. Frequent consideration has been given by that body to providing a system of weights and measures, even without the stimulus just referred to, as appears by a reference to the analysis of their proceedings accompanying this report. So far as the collection of the revenue is concerned, the object of uniformity in the standards is near its accomplish. ment, under directions, issued from the Treasury Department of the United States, for the distribution of standards to the customhouses; and thus one motive which might have induced the action of Congress is removed, and the necessity for exertion on the part of the States, to secure so desirable an object, is increased. That standards issued to the custom-houses can be substituted for national standards, even though legalized in the collection of the revenue, by an act of Congress, is obviously impossible: unrecognized by the laws of the States which contain no provisions deferring to such standards; not placed at all in some of the States, and but sparingly distributed in any, they could not, even by usage, and in violation of the State laws, become standards. They would tend merely to increase the diversity of standards, and unless conforming to those of the State in which they were introduced, would cause duties to be paid on commodities by one measure or weight which were sold by a differ-ent standard. The Committee would therefore most respectfully request the Managers of the Franklin Institute, to urge upon the House of Representatives, of this Commonwealth, to call the attention of Congress, through our Senators and Representatives, to the necessity of fixing the standard of weights and measures throughout the United States; and further to suggest that the cooperation of the Legislatures of other States be obtained by executive communication.

Your Committee feel satisfied that the House of Representatives of this Commonwealth may lay the subject now under consideration before Congress in a form so conveniently adapted to their legislation upon it, as the committee can ascertain, in use, at States of our Union, be preferable to the most should this action be delayed for two or three perfect system which should be adopted by years, the inconvenience of action under ex

not metrical system, where there is

be derived from legislation by Congre such just hopes should be disappointed, the people of this Commonwealth would then confidently look to the care of their legislature to furnish them with standards so escommunity.

Alex. Dallas Bache, S. V. Merrick, William. H. Keating, Rufus Tyler, M. W. Baldwin, Benjamin Say, Asa Spencer, Abraham Miller, R. M. Patterson, M. D. Sears C. Walker, Benjamin Stancliff Thos. M'Euen, M. D. Edmund Draper, David H. Mason, Benjamin Reeves Thos. P. Jones, M. D. Frederick Fraley, Samuel Moore, M. D. Samuel Hains.

An Act to fix the Standards of Measures and Weights in the Commonwealth of Penasylvania.

Section 1 .- Be it enacted by the Senate and House of Representatives of the Commonwealth of Pennyslvania, in General Assembly met, and it is hereby enacted by the authority of the same: That the standard unit of all measures of length shall be the yard," to conform to that in use in this Commonwealth, at the date of the Declaration of Independence, the positive standard to be obtained as hereinafter described; and that one-third of said yard shall be one foot, and one-twelfth of said foot shall be one inch.

Section 2.—And be it further enacted by the authority aforesaid, That the standard of liquid measure shall be the gallon, to contain of the material therein referred to, and of two hundred and thirty-one cubic inches of that the standard of dry measure shall be dred and fifty cubic inches and forty-two the adjusting of weights and measures, and said standard and to each other, shall be-

the authority aforesaid, That the standard of the duty of the Commissioners of the re- the dry measures shall be conical, that the weight shall be a pound, to be computed upon the troy pound of the mint of the United States, referred to in the act of Congress, of 19th May, 1828, to wit—the troy pound of the respective county to be examined and the measure, and the height not more than this Commonwealth shall be equal to the tried, and, if necessary, to be corrected or re- nine twelfths of the diameter of the bottom. troy pound of the mint aforesaid; and the avoirdupois pound of this Commonwealth monwealth heretofore referred to.

shall be greater than the troy pound afore.

Section 11.—And be it furthe said, in the proportion of seven thousand to five thousand seven hundred and sixty.

Section 4 .- And be it further enacted by the authority aforesaid, That it shall be the duty of the Governor of this Commonwealth to procure, within — years from the date of the passage of this act, a standard yard, to constitute the positive standard of length in this Commonwealth; said standard to be equal in length, at the temperature of melting ice, to the distance between the eleventh and forty seventh inches on a certain brass scale of eighty-two inches in length, procured for the survey of the coast of the United States, and now deposited in the war department. The material of said stand.

scale aforesaid.

Section 5.—And be it further enacted by the authority aforesaid, That it shall be the duty of the Governor to procure, within years after the passage of this act, for the use of this Commonwealth, a standard gal-

Section 6.—And be it further enacted by the authority aforesaid, That it shall be the duty of the Governor of this Commonwealth to procure, within - years after the passage of this act, a duly authenticated copy of the troy pound of the mint of the United States, to constitute the positive standard of weight of this Commonwealth. The material of said standard to be brass.

Section 7.—And be it further enacted by the authority aforesaid, That it shall be the duty of the Governor of this Commonwealth to have the positive standards of measures of by the foregoing sections, inclosed in suitable cases and deposited in the office of the Treasurer of this Commonwealth, to be by

him there carefully preserved.

Section 8.—And be it further enacted by the authority aforesaid, That it shall be law-ful for the Governor of this Commonwealth, when he shall deem it expedient, to have tested the conformity of said positive standards of measure and weight to the foregoing provisions of this act, or to the natural invariable standards hereinafter provided.

Section 9.—And be it further enacted by the authority aforesaid, That it shall be the duty of the Governor to provide, within ---years after the passage of this act, for each of the counties of this Commonwealth, at the charge of the counties respectively, duly authenticated copies of the positive standards of measures of length, of capacity, and of weight, referred to in the foregoing sections, of the material therein referred to, and of approved construction. And having caused authority aforesaid, That the denominations

years, and oftener if they have reason to believe it necessary, to cause the standards of

the duty of the Governor, within - years after the passage of this act, to cause the said standard and to each other, shall be positive standards, herein described, to be referred to natural invariable standards, and to deposite in the office of the State Treasurer the authentic certificates of such reference, with the apparatus by which it was made. The authority aforesaid, That the denominations length of the standard yard to be compared with that of the pendulum vibrating seconds at a certain and defined spot in the Independence Square in the city of Philadelphia or in some unalienable public property, at an ascer-tained and convenient temperature and pres-sure; all the circumstances of the comwar department. The material of said stand, parison to be stated. The standard of weight ard to be brass, and the divisions upon it to to be compared with that of one hundred

tandard cubic inches of water, at its man mum density, and at a convenient atmospheric pressure.

An Act to fix the Denominations of Measures and Weights in the Commonwealth of Pennsulvania.

lon and bushel, to conform to the provision of section second, of this act. The material of said standard to be cast brass.

Section 1.—Be it enacted by the Senate and House of Representatives of the Commonwealth of Penasylvania, in General Asmonwealth of Pennsylvania, in General Assembly met, and it is hereby enacted by the authority of the same: That the denominations of linear measure of this Common-wealth, whereof the yard, as heretofore provided, is the standard unit, with the relations thereof, shall be as follows:
12 inches make 1 foot.

3 feet make 1 yard.
5½ yards make 1 rod, pole, or perch.

40 rods make 1 furlong. 8 furlongs make 1 mile.

Section 2.—Be it further enacted by the authority aforesaid, That the denominations length and capacity, and of weight, provided of superficial measure of this Commonwealth, whereof the square of the linear yard, as heretofore provided, is the standard unit, with the relations to said standard, and to each other, shall be-

304 square yards make 1 pole or perch.

40 square poles make 1 rood. 4 square roods make 1 acre.

640 acres make 1 square mile. Section 3.—Be it further enacted by the authority aforesaid, That the denominations of liquid measure of this Commonwealth, whereof the gallon, as heretofore provided, is the standard unit, with the relations to said unit and to each other, shall be-

4 gills make 1 pint. 2 pints make 1 quart. make 1 gallon. make 1 barrel. 4 quarts 31½ gallons 2 barrels make 1 hogshead. 2 hogsheads make 1 pipe. make 1 ton. 2 pipes

the standard aforesaid, and no more. And the same to be duly stamped, to have them of dry measure of this Commonwealth, that the standard of dry measure shall be delivered to the Commissioners of the counwhereof the bushel, as heretofore provided, the bushel, to contain two thousand one hun-ties respectively, to be used as standards for is the standard unit, with the relations to

hundredths of a cubic inch of the standard aforesaid, and no more.

Section 3.—And be it further enacted by the authority aforesaid, That it shall be its aliquot parts. Provided, that the form of the real the dry measures shall be conical, that the spective counties, at least once in every ten diameter of the circle of the top of the measure shall be not less than one twentieth greater than the diameter of the bottom of

newed according to the standards of the Commonwealth heretofore referred to.

Section 11.—And be it further enacted by the authority aforesaid, That it shall be the duty of the Governor, within — years

make 1 penny-weight. 24 grains 20 penny-weights make 1 ounce.

12 ounces make 1 pound.

of weight of this Commonwealth, whereof the pound avoirdupois, as heretofore provided, is the standard unit, with the relations to said pound and to each other, shall be—

make 1 ounce. 16 drams make 1 pound. 16 ounces make 1 quarter. 25 pounds 4 quarters make 1 hundred. 20 hundreds make 1 ton.

ADVOCATE OF ENTERNALE AND RECORDER

On the Proposed Ship Canal from Oswego, through Utica, to Albany.

To the Editor of the Railroad Journal:

SIR-Having understood that you were one of the advocates for the proposed ship canal, from Oswego through Utica to Albany, I have transcribed the following facts, and have added a few suggestions in relation to them, with a view to their insertion in your paper. I shall deem myself amply repaid for the trouble I have taken, if it is the means, in however humble a way. if it is the means, in however humble a way, of engaging the attention of our citizens to-wards this highly important object. The idea of a water communication from Lake Ontario to the Hudson is by no means one of those forced and chimerical projects by which the present day is so eminently characterized; in-deed, we believe that it is the first towards which any attention was turned. As early as the year 1791, Mr. Elkanah Watson, one of the Commissioners of the Indian Treaty at Fort Stanwix, travelled as far west as the village of Geneva, and so impressed was he, by his personal observation of the practice bility and sonal observation, of the practicability, and comparatively small outlay of an internal navigation from Albany to Oswego, that in a letter written to a friend while on his very first excursion, he says, "We are sailing parallel to the great Ontario Ocean, which I hope to see; and enjoy in delightful anticipation the prospect of a free and open water communication from thence to the Atlantic via Albany and New-York." Upon his return be immediately Upon his return, he immediately communicated the result of his observations to General Schuyler, with a view of obtaining the influence of this great man towards bringing the project, in some shape, before the Legisla ture of the State: with what success, the writer is not aware. The ensuing year, however, the "Western Inland Lock Navigation Company" was incorporated, for the purpose of improving the navigation of the Mohawk and Seneca rivers, and of opening a communication between both, by means of Wood creek and Oneida lake; and eventually to effect a complete communication with Lake Ontario. Owing, how ever, to the want of the necessary means, little else was done than the construction of the locks at Little Falls, and some trifling improvements in the Mohawk. The Erie Canal at that time became the all-absorbing project, and merged in itself the little interest that had been excited in this, at that day considered, minor undertaking.

We have mentioned the above facts in support of the assertion, this project is not the result of a day's growth. Surely, the remark of the "time not having yet arrived for agitating this question when can hardly be thought valid," we see that, even at a time when the immense forest wes of Utica was a stranger to the sound of the axe, when even the name of the Erie Canal was as yet unknown, men were found so convinced of the importance of this work, as to have organised themselves into a company, and to have actually commenced the construction of a work having the very same objects in view as that which we are at present advocating. As soon, however, as the experiment of the Erie Canal was successfully tested the old project of a communication with the the old project of a communication with the lake was again revised; and after some little delay, the year 1926 witnessed the commencement, and 1828 the completion, of a canal, of the same dimensions, from Oswego to Salina. This, together with the one proposed from Sodus Bay to Montezuma, has for its object the interception of the lake trade. The cessity, however, of a tranship-ment at the the harbors of Oswego and Big Sodus, from the larger craft of the lake to the smaller barges of

mission of information on the subject, and with a view to engage the attention of the people

towards this project.

We have endeavored in the above to give some little history of the Canal. We would now adduce some few facts, and endeavor to prove by them that the day has arrived when the State in general, and the City in particu-lar, (if they would consult their own interests,) are called upon to take immediate measures

towards the construction of this work.

The policy of Great Britain towards her
Canadian colonies is one of the utmost liberality. She is fully aware of the great facilities they possess by nature, and she is rapidly im proving those facilities by the most magnifi-cent works of art. The Rideau Canal, and that now constructing round the Rapids, have proved that the river St. Lawrence is not the bugbear we always believed it to be. The success of the Welland Canal is no longer a matter of speculation. The Ship Canal from Lake Huron to Lake Ontario is now under examination by British engineers. The St. Johns and Chambly Canal will be finished in a year. In short, on our whole frontier, such preparations are making, as will, if not shorty counteracted by our own exertions, divert from us our boasted trade; and which, in peace, will feed the treasury, and, in war, will nerve the energies of a jealous and enterpris-ing commercial rival. Every inducement is now offered by the government for emigration to their colonies. The climate of Upper Canow onered by the government for emigration to their colonies. The climate of Upper Canada is as genial, the land as fertile, and the facilities of purchasing and settling as great as in any of the States. And we need only mention that there were 50,000 emigrants landed last year at Montreal, to prove that the tide of emigration is setting towards the Ca-

Such is the present state of things abroad let us now turn our attention to our sister cities. Among them, too, the spirit of improvement is making the most rapid progress. Boston, Philadelphia, Baltimore, Washington, and Charleston, are all, (some by canals and some by railroads,) making every exertion to secure for themselves a portion, at any rate, of the trade of the "far west." Pennsylvania is the most ambitious competitor we have to contend against. By her increased and in-creasing facilities, she is rapidly driving us from the valley of the Mississippi. Owing to the lateness of the season at which the harbor of Buffalo is clear from the ice, our Erie Ca nal is a nullity till about the 20th April, full six weeks later than the Pennsylvania Canal.

"Differences seem to have arisen between the New-York and Ohio Canal Boards, which have produced a conditional resolution of the Ohio Commissioners for doubling the rates of toll on the Ohio canals, on all merchandise transported in a direction from Lake Erie. And even if this unfortunate collision should be adjusted, Pennsylvania is determined to avail herself of all her advantages, and by an immediate extension of her Beaver Canal, intercept, at the mouth of the Conneaut at Lake Erie, that trade upon which our Canal mainly depends. Thus, fellow-citizens, do we see that while we are vainly relying on the infallibility of our one canal, our powerful neighbors are not leaving a stone unturned to effect their object. Should this state of things be allowed to continue without any exertion to counteract its evil effects, the day is not far distant when we shall be obliged to yield to

been appointed for the collection and trans-|| New-York to Cleveland for a less price by way of the lake than by the Canal, as will ap pear by the following.

Comparative View of Expenses in the transportation of Merchandise from New-York, via the Erie Canal and Buffalo, to Cleveland, Ohio, and by the new channel of Lake Ontario and the Welland Canal, to the same

The present regular price for transporta-tion from New-York, per the Erie Canal and Buffalo, to Cleveland, as charged by Hart, Griffith & Co. and others, is, For dry goods, per 100 lbs. - - - On all heavy goods, per 100 lbs. - -

The present regular price for transportation from New-York, via Oswego, Lake Ontario, and the Welland Canal, to Cleveland, as charged by I. S. Wyckoff, agent for Troy, Oswego, and Ohio Line, is,

For dry goods, per 100 lbs. On all heavy goods, per 100 lbs. - - - 1 09
The Ontario channel is a new one, and for-

warders say the price of freight will be reduced when vessels are built better adapted to the Welland Canal navigation. Vessels are now building for this purpose, to carry 180 tons."

How much the more, then, will we be enabled to compete with other means, if we do away, by the ship canal, this extra tranship.

ment.

Objections have been urged against the risk incurred by the navigation on the lakes. We need only, we think, adduce the fact, that insurance is effected at as low a rate upon them as on our inland canals. Harbors are numerous on all the lakes; on Ontario are Oswego, Big Sodus, Genesee, and Braddock's Bay; on Erie are Black Rock, Buffalo, Dun-kirk, Erie, Conneaut, Ashtabula, Cunningham, and Cleveland. There are also harbors at the mouths of Grand, Black, and Huron rivers; in all of which, improvements requiring immense outlays of money have been made, under a judicious system of operations, by the General Government. Nature, too, in favor-ing us with a milder climate than Montreal and Quebec, has done much to aid us. All then we want to divert into our own lap the trade and resources of this immense section of country is the ship canal. Let this communi-cation be once effected, and "hundreds of ships that now bound upon the billows of these in-land seas," bearing away to our neighbors, for want of a market at home, our own productions will seek this easiest, and most natural channel. Let us awake, then, fellow citizens, to our own interests, ere yet it is too late: ex-ert ourselves now, and in three years' time, with an expenditure of only 2,000,000 of dollars, we are safe.

In the coming session of the Legislature this project will be submitted for their consideration; we have no doubts for its result-the means only are wanting; and we hazard little in saying, that the name of that statesman, who, throwing aside the petty trammels of party politics, shall trge to a successful com-pletion the Ship Canal, shall be handed to latest posterity, hallowed by the association with that of the "immortal Clinton." B.

> [FOR THE NEW YORK AMERICAN.] Oswego, August 27, 1834.

Mr. EDITOR: I noticed in your paper of the 22 inst. an article signed "Pearl street" on the subject of the contemplated convention at Utica on the 11th of next month, to consider the project of a Ship Canal from the harbors of Oswego and Big Sodus, from the larger craft of the lake to the smaller barges of the canal, has so much increased the cost of transportation as will inevitably prevent their attaining in any great degree the objects proposed by the Ship Canal.

Fully alive to their interests the inhabitants of Oswego and Utica have since been taking the necessary preliminary steps, the Legislature has been petitioned—committees have a shall be obliged to yield to another that enviable distinction, which we have shall be obliged to yield to another that enviable distinction, which we have so long held, of the "great commercial question, although he treats it, in a manner, as if he was quite au fait. Permit me through your columns to furnism to "Pearl street," and others, some of the principal reasons that will probably be offered to the convention at Utica in favor of the project.

Small as is the Oswego Canal, and nottern trade.

Small as is the Oswego Canal, and nottern trade.

Small as is the Oswego Canal, and nottern trade.

Small as is the Oswego Canal, and nottern trade.

Small as is the Oswego Canal, and nottern trade.

Small as is the Oswego Canal, and nottern transportation effected upon natural water communications admitting of navigation by large vessels or transportation upon Canals and

THE MESSA WEARING TO SHOULD BE DISCOURTED TO MAKE THE TOTAL OF THE PARTY.

Railroads. This has been satisfactorily proved by experience on the Hudson, the Lakes and the great rivers of the west—for instance, a bushel of wheat is now carried from Troy and Albany to New York, for three cents, while the same transportation for a like distance upon the canal can not be effected for less than the cents, the constant of the con than ten cents : the conclusion therefore seems una ble, that if the products of the west can find a passage to the Ocean by Steamboats or other large vessels, they will undoubtedly seek that channel.

3. The extraordinary efforts now making in the 3. The extraordinary efforts now making in the Canadas for the improvement of the great natural navigable facilities existing within those Provinces, namely, the gigantic work in progress on the St. Lawrence of locks 200 feet in length, 55 feet in width, and 9 feet in depth from the mitre sill. The existence of the Welland Canal, connecting Lakes Erie and Ontario by a ship canal, with locks of 110 feet in length, 22 feet in width, and 8 feet in depth; probably to be hereafter enlarged to a corresponding probably to be hereafter enlarged to a corresponding size with those now constructing on the St. Law. rence. The contemplated construction of a Rail-road from Queenstown to Chippewa. The easy connection by ship canal, of Lake Huron, through Lake Simcoe, with Lake Ontario, now being sur-veyed by order of the Canadian Government.

3. Communications will be laid before the Conven tion from the ablest Engineers, proving that a ship canal can be constructed with ease from Lake On-tario, via Oswego and Oneida Lake, to Utica, at a cost of less than one million of dollars, and although the cost from Utica to the Hudson will be considerably greater, that it is easily within the means of the State.

4. It will be urged that the existence of the Wel-

land Canal, and the improvements on the St. Lawrence, not only destroy the arguments used by the Canal Commissioners in their report of 2d March, 1811, to the Legislature, against the route by Oswe-go, but actually prove the necessity of its being adopted on the most enlarged plan it is capable of, adopted on the most enlarged plan it is capable of, without further delay.

In that famous report the Commissioners say wo routes have been suggested to obtain the Two routes have been suggested to obtain the trade of the West; one, the direct communication to Lake Erie, now adopted—the other, a cut round Niagara Falls, and from Albany by Rome to Oswego, terminating the Canal there." Notwithstanding that limited pecuniary resources were at that time a great impediment, still on a comparison of the cost and obstacles of the former with the latter, they put he information. It Whether heing least difficult and the interrogation, "Whether being less difficult and expensive, it would not be advisable to descend into Lake Ontario, rather than encounter the difficulty and expense of the other course?" To which they "The Commissioners believe it would and without relying as they might for support of their opinion on the comparative expense of transporta tion, it is sufficient to say, that articles for exporta tion, when once afloat on Lake Ontario, will, gene-rally speaking, go to Montreal, unless our British neighbors are blind to their interests."

neighbors are blind to their interests.

5. It will be stated, that the Eric Canal from Buffice falo to Albany will in a few years scarcely suffice for the transportation of the produce of our own State, much less carry that of the great West, should the cost of transportation even be no obstacle.

6. It will be shown, that unless a cheaper mode of transportation of the produce of the West can be a dopted, it must and will in a few years hence find its way down the St. Lawrence! I will here instance the effect it may have in our own State: The freight of a barrel of flour from Rochester to New York, on the Eric Canal, is not less 62 1.2 cents—from Oswe-go, 58 cents. A great quantity of Western flour is annually sent to Boston, &c. Let the improvements St. Lawrence be once completedlocks of 200 feet long, 55 feet wide, and nine feet deep—what will prevent our Eastern merchants from constructing suitable vessels of a large class, and carrying to Oswego, Rochester,&c.,their fish, their oil, and thousand other bulky articles, and bringing away our Western flour and other produce.

MR. EDITOR: As the newly raised regiment of Dragoons have, ere this, started on their summer campaign, one object of which seems to be to effect a treaty with the Pawnees, I have thought that a brief account of these Indians might not prove unacceptable, and; perhrps, in this armed truce of politics would serve to fill a column of the "American," ot devoted to more important matters.

The Pawnees may be divided into two classes or tribes, the Pawnee Piqua's, or Pawnees of Arkansas and Texas, and the Pawnees of the Missouri. The former are a roving race like the Sioux, have no permanent villages, and when not engaged in predatory excursions, follow the range of the Buffalo. It is of course difficult to estimate their numbers: however, I should suppose that 3000 warriors would be within bounds. They must be numerous; for their war parties often amount to 3 or 400, and they have been known to carry on, at one time, successful wars both against their ancient enemies, the Osages. and the Mexican tribes of Commanches and Tetons Their language is the same with that of the Pawness of the Missouri, with whom they are on friendly terms, although there exists no formal alliance be ween the tribes, unless, which is not unlikely, a league has recently been made. They are good horsemen, and are well supplied with large droves of that noble animal. Their arms and mode of fighting are similar to those of the Pawnees of the Missouri.

The Pawnees of the Missouri consist of three bands residing in separate villages. They are in strict alliance, and may, perhaps, bring into the field 2500 or 3000 horses. They are called—the Pawnee Republicans, whose village is on the Republican branch of the Konzas—the Grand Pawnees and the Pawnee Loups, The towns of the two last are on the la Platte, and within a few miles of each other. A Pawnee village consists merely of a promiscuous collection of Dirt Lodges; these are spacious and permanent dwellings: a description of them would not probably be new to your readers. For some months in the year the whole tribe are absent on the Buffalo Hunt: they then live in Skin Lodges. A Pawnee Brave in his war dress is a truly formidable looking personage: he wears an enormous head dress, formed of feathers of the eagle, the swan and other large birds, a necklace of the claws of the grisly bear, and leggins of deer-skin, grotesquely embroi dered with quills of the porcupine; the edges are fringed with feathers and tufts of horse hair, dyed of various colors, and not unfrequently human scalps interspersed with beads and small bells. The buffalo robe floats loosely in the wind, and is secured around the waist by a girdle, leaving the arms, face and the body naked, and smeared with parti-colored pigments in quaint figures. The face is also painted in the same savage taste; black, the war color, always predominates. His horse, a fine animal of the wild breed of Mexico, is gaily caparisoned with broad leathern bands, on which are sewed beads and pieces of colored cloth, and fringed with fea-thers, bells, and small pieces of tin and other metals. Sir, we ask no favors from your citizens—we only wish to open their eyes to their true interests! For that purpose the Utica Convention has been called; and if "Pearl Street" can point out a better plan to shall cheerfully submit to the loss of the few crumbs that I expect to fall to my share if the object of the Utica Convention should be carried into effect. All we deaire is to arouse the New York merchants from the state of lethargy and security in which they have been for some years past. Let them look to Pennsylvania, and they will learn that Cotton and Tobacce are now coming up the Ohio to Pittsburg, and are thence brought to Philadelphia in considerable For arms, he uses the bow, which is short, and well

quantity. I have heard from good authority that flour is brought from Pittsburgh to Philadelphia for 75 cents per barrel. And what, I ask, will be left to New York of the great western trade, when the Canadian improvements once completed, effer a still cheaper channel than any now existing for the transportation of the bulky products of the West.

I am, with great regard, your most ob't serv't.

AN OLD MERCHANT.

[For the New York American.]

Mr. Enverse Author newly relied regiment of arrows from under their borses necks; then with arrows from under their horses necks; then with the assistance of the shields their bodies are almost entirely protected.

entirely protected.

From the roving habits of these tribes, I think the prespect of finding them in their villages is but faint: they will either be absent on their annual hunt, when their lodges are nearly deserted, or what is still more likely, the approach of so large a force will excite their natural distrust to such a degree, that they will at once retire en masse to their distant encampnent in the desert, or in the gorges of the mountains, whence they will not emerge until conspelled by the approach of winter. Thus there is little probability, even were it desirable, that our troops will come into collision with these Indians; for although brave, they never attack but with the chances in their favor. Like other savages, the Pawnoe always endeavors to surprize his enemy, and like em prefers an hour or two before dawn, and a dark and stormy night. An impetuous charge is made; and if at all successful, the contest rages for hours with the greatest fury; but should they be too warmly received at the outset, or lose many warriors in the course of the fight, they retreat at a preconcerted signal, scattering into small parties, to divide and distract the attention of their pursuers, and when in safety make for the distant rendezvous previously appointed,

Love and Romance.—A greater number of young girls, between the age of fifteen and eighteen, and of young men between eighteen and twenty-four, fall victims to what they call love, than any other particular class of disease—and mere particularly in England and Ireland than any other country on earth. This is from the force of early impressions peculiar to those countries, and of comparatively recent growth, the effect produced by a certain class of romance writers. These writers give an obliquity to the young mind which leads to destruction. Scarcely has a young girl laid by her Reading made Easy, who young girl laid by her *Reading made Easy*, when she becomes a subcriber to some trashy library, and the hours which, in the country, or in a land where education is unknown, they would employ in jumping about in the open air, are now consumed with intensity of thought upon the maudin miseries of some hapless heroine of romance, the abortion of a discount of the product of the state of the st eased brain. Her imitativeness, as Spurzheim w phrenologically observe, becomes developed, and she fixes on her favorite heroine, whom she apes in every thing—sighing for her sorrow, and moaning to every thing—sighing for her sorrow, and moaning to be as miserable. She fixes immediately upon some figure of a man—some Edwin or Edgar, or Ethelbert, which she thinks will harmonize with the horrors of the picture, and she then enjoys her tears and her tortures to her heart's satisfaction. Languer, inaction late hours, late rising, and increasing sighing, de range her digestion—paleness, loss of appetite, an general debility follow; the cause continues, the effect increases, and hectic fever puts an end to the romance. We have known a young Irish lady who read herself, into this situation. She was, at the age of 13, as lively, as healthy and as beautiful a little promise of womanhood as that country ever produced. When the Leadenhall-street romancers crossed cot. When the Leadenhall-street romancers crossed her way, an officer of a very different sort of troop became her hero. She would "sit in her bower" (the second floor window) and gaze—and gaze upon his steed, his helmet, and his streaming black-hair. ed crest, as he passed to mount guard, until she sobed aloud in an extacy of melancholy. She never spoke to this 'knight,' nor did she even seek to have an acquaintance—lest, perhaps, that a formal proposal, a good leg of mutton dinner, and all the realities of domestic happiness might dissipate the sweet romantic misery she so much delighted in. A year passed over—'she pined in thought, and with a green and yellow melancholy,' entered a convent (for that is the climax of romance,) where she died in a few months.—[Medical Advertiser.]

NEW-YORK AMERICAN

AUGUST 30-SEPTEMBER 6, 1634.

LITERARY NOTICES.

LETTERS ON PRACTICAL SUBJECTS, TO A DAUGHTER by WM. B. SPRAGUE, DD., Paster of the Second Presbyterian Church, Albany. Third American edition, revised and enlarged. New York, D. Ar-PLETON & Co.-It is no longer asked now, with a percilious air, in England, "who reads an American book ?" American books not only are read, but, as we find by some prefatory remarks in the well printed and handsome volume before us, they are ctimes printed—and, with slight alterations, reprinted as English works.

Such, it seems, was the fate of Dr. Sprague' "Letters to a Daughter," originally published anony. mounly in this country. A genuine edition of the work was circulating in England under the direction of the London Tract Society, when a Glasgow book seller seized upon it, made some omissions but no additions, and put forth a volume under the title of "The Daughter's Own Book." By this title it was republished in Boston, as a book of foreign originand by this title it was noticed and praised in this paper, without any suspicion, as far as we remem ber, of its being a piracy.

The present edition is issued under the sanction of Dr. Sprague's name, and is the only one there fore for which he is in any way responsible. It re mains only for us to say, that the terms of commen dation in which we spoke of "the Daughter's Own Book," we very cheerfully, and with greater empha sis, desire to repeat of "Letters on Practical Sublecter XI—not as better than others, but as treating of a topic that is not always sufficiently considered by young persons.

Intercourse with the World.

My DEAR CHILD,—In several of the preceding letters I have taken for granted that you are to mingle, eater or less degree, in society. It is equally stial to your respectability and usefulness, that should not live the life of a recluse. The constitution of your nature and the circumstances of your condition clearly indicate that you were made social. As it is a subject, however, in relation to which there is a strong tendency to extremes, ar on which you will be in g eat danger of being misled. I shall suggest a few thoughts in the present letter, which may serve to aid in forming your opinions and irecting your conduct.

I begin my advice to you on this subject by a cau

ion that you should not make your entrance into so-ciety at too early a period. It too often happens that girls, long before they have completed their educa-tion, and even at a comparatively early stage of it, have contracted a strong relish for being in the world; and unless prevented by the influence of parents or instructors, they are found thus prematurely in the nstructors, they are found thus prematurely in the rest circles of fashion. The consequence of this that at best, a divided attention is rendered to retudies; that their opportunities for intellectual revenent are enjoyed to little purpose; and that period in which should be laid the foundation of solid and useful character, is perverted to the for-ation of a habit of mental inaction, and not improb-

bly to cherish a spirit of intolerable vanity.

Now I do not insist that you should actually deine all society up to the time of completing your education; but I wish that your visiting, previous to that period, should be, for the most part, of an infor-mal character; and that you should not generally consider yourself at liberty to accept invitations, even if you should receive them, to mingle in se circles. This accidental intercourse of which I have spoken, is all that will be necessary uning of of your education, to aid you in the formation of your manners; and any thing beyond it will almost inevitably interfere with your intellectual improvement, and of course detract from your ultimate standing in society.

deficient either in modesty or good sense. Better for your reputation that you should come too like into society then too early; for though in the one case you might lose something in point of mamera, yot in the other you would lose more in the estimation of the world, on the score of delicacy and correct judgment.

It is not more important that you should avoid going into society too early, than it is, that when you do enter it, you should avoid mingling in it too much. One bad effect of this would be, that it would leave you with too little time for the discharge of your private and domestic duties. The culture of your mind and heart, in connexion with the ordinary cares of domestic life, requires that large part of your time should be spent at home and you cannot, without great injustice to yourself, and those with whom you are connected, neglect these more private duties, for the sake of being al-ways in the bustle of the world. It is a rare thing that you will find a lady who devotes an undue pro portion of her time to visiting, but that if you follow her into the domestic circle, to the chamber and the ide, you will find that she evinces a proportions neglect of some of the duties belonging to the station she occupies. She is either neglecting to cultivate her understanding, or neglecting to keep he heart, or neglecting to use the means which Provi-dence has put into her hands for the intellectual and moral improvement of those with whom she is im-

Recollect also that the error against which I am endeavering to put you on your guard, would not only prevent your attention to more important duties, by occupying the time which should be allotted to them, but it would serve actually to give you a distaste for those duties. Allow yourself in a constant and of company, even for a short period, and it will be strange indeed, if you not begin to feel that company is your only element; if you do not, in a great degree, lose your relish for the pleasures of the domestic fireside; if you do not find yourself complaining of ennui, when you happen for a seaso to be providentially shut up at home. I need no stop to show how entire!y such a habit of feeling must disqualify a female for the most important re-

lations she can ever sustain.

Moreover, an extravagant fondness for society and an excessive indulgence of this inclination, are almost sure to create a habit of dissipation, both as it respects the intellect and the feelings. The mind, by being conversant with the ever varying scenes of social life, loses, in a great degree, the command of its own powers; and the attempt to concentrate them on any particular subject, were scarcely more likely to succeed than would be an attempt to collect every mote that was floating in the surrounding at ere, while the atmosp while the atmosphere was agitated by a The moral feelings too are subject to a whirlwind. similar influence; for not only is there usually an entire absence of self-communion, and all that cret discipline of the affections, which is essential to the right keeping of the heart, but too often there are the levities of the world, scenes from which there is a studied exclusion of religion, and even a designed introduction of much that is fitted to bring religion into contempt. I do not say that this evil, in its whole extent, is commonly found in any of the walks of decent society; but I do say that it some times exists in the frightful dimensions which I have attributed to it; and that it commonly exists in so great a degree as to render an excessive inter-course with the world a fruitful source of mischief.

You will anticipate me when I say, in this connex on, that it becomes you to use the utmost caution in selecting the circle with which you are to associate I hardly need admonish you to set it down as a fixed ourpose that you will never, intentionally, be found in any circle in which there is any thing to encou-rage immorality, or any lack of reverence for the sacred principles and precepts of religion. I would have you, moreover, beware of mingling in the gay even if you should receive them, to mingle in set circles. This accidental intercourse of which I have spoken, is all that will be necessary during the period of your education, to aid you in the formation of your manners; and any thing beyond it will almost inevitably interfere with your intellectual improvement, and of course detract from your ultimate standing in society.

Let me counsel you then never to utter an expression, or do an act, that even looks like soliciting any owners inevitably interfere with your intellectual improvement, and of course detract from your ultimate standing in society.

Let me counsel you then never to utter an expression, or do an act, that even looks like soliciting any owners in the proper of the signal for disquietude or disgust. I do not, by any means, insist that your associetes should all be from the number of those who are professedly or actually pious; nor do I object it all to your intercourse with them being of a cheerful, and sometimes, if you please, an amusing cherrent, and if, while you are yet a child, you are seen among those of mature age, virtually claiming to be as old as they, you can age, virtually claiming to be as old as they, you can appearance proposed that merely to kill time, or to cultivate a taking a man's heart by storm on the other.

pirit of triffing. It w

particular friends, that the circle with which you chiefly associate, should possess a good degree of intelligence; that thus your social intercourse may be instrumentat of improving not only your heart but your understanding. If you take due precautions on this subject, the time that you pass in society, instead of being lost, may subserve, in a high degree, your most important interests; while the negrect of such precautions will render the same hours a mere blank in the period of your probation.

It is natural and proper that those with whom you chiefly mingle should be from the same walks of life with yourself. You may, however, sometimes providentially be thrown among those, the circumstances of whose birth and aducation have given them a rank quite superior to any which you can claim; and as the cass may be, persons of this character may proffer you their confidence and friendship. In all cases of this kind, never suffer yourself to be deluded by any thing that is connected with the pride or circumstance of life; and do not think it a privilege to mingle in society of the most elevated worldly rank, provided there be any thing in it to put in jeopardy your moral principles and feelings. And let me say too, that, though you may very properly accept a fair and honorable introduction into any circle, no matter how elevated, yet you ought never, by a single action, word, or look, to signify a wish accept a fair and honorable introduction into any circle, no matter how elevated, yet you ought never, by a single action, word, or look, to signify a wish for any such distinction. It would indicate a species of ambition certainly not the most honorable, and if you should accomplish your object, it is more than probable you would meet the reception which is due only to an intruder.

You would do injustice to yourself, and be wanting in the discharge of your duty, if you should not occasionally, and even frequently, mingle in the lower classes of society. Not that I would be an advocate for confounding or annihilating those distinctions which Providence has manifestly ordained; nor would I have you, in your intercourse with those in the humble walks of life, lose sight of the mutual relations which you and they sustain to each other.

But I would have you go among them with the benign aspect of frieadship; I would have you make them feel that you recognize them as fellow creatures, placed in many respects on the same level with yourself; and I would have you leave an impression upon their minds that the adventitions distinctions of life are really of little moment, compared with those native in relation to which all stand trees. with those points in relation to which all stand upon an equality. The condescending yet dignified fa-miliarity which this species of intercourse would discover, would do more than you can easily imagine, to render the poor contented and cheerful, and to secure for yourself their gratitude and confidence. And let me say too, that its influence upon your own heart would be most salutary; that it would serve to refine and elevate your social affections, and confer dignity on your whole character.

There is one more point involved in the general subject of this letter which is too important to be o-mitted—I refer to the deportment which it becomes you to maintain towards the other sex. The import-ance of this, both as it respects yourself and others, you can scarcely estimate too highly. On the one you can scarcely estimate too highly. On the one hand, it has much to do in forming your own character; and I need not say that any lack of prudence in this respect, even for a single hour, may expose you to evils which no subsequent caution could enable you effectually to repair. On the other hand, the conduct of every female who is of the least consideration, may be expected to exert an influence on the character of every gentleman with whom she asso-ciates; and that influence will be for good or evil as she exhibits or fails to exhibit, a deportment that becomes her. Indeed, so commanding is this influence, that it is safe to calculate upon the character of any community, from knowing the prevailing standard of female character; and that can scarcely be regarded as an exaggerated maxim, which declares that "women rule the world."

naidaral a link Be not ambitious to be considered a balls. Indeed that does not involve gross moral obliquity, than this.—
It is the fate of most belles that they become foolishly vam, think of nothing, and care for nothing, be yound personal display, and not unfrequently sacrifice, themselves in a mad bargain, which involves their destinies for life. The more of solid and enduring esteem you enjoy, the better; and you ought to gain whatever of this you can by honorable means; but to be admired, and carressed, and flattered, for mere accidental qualities, which involve nothing of intellectual or moral worth, ought to render any girl, who is the subject of it, an object of pity. You are at liberty to desire the good opinion of every gentleman of your acquaintance; but it would be worse than

of your acquaintance; but it would be worse than folly in you to be ambitious of a blind admiration.

I will only add, that you ought to be on your guard against the influence of flattery. Rely on it, the man who flatters you, whatever he may profess, is not your friend. It were a much kinder office, and a real mark of friendship, to admonish you tenderly, yet honestly, of your faults. If you yield a little to flattery, you have placed yourself on dangerous ground; if you continue to yield, you are not improbably undone. Adieu for the present.

YOUR DEVOTED FATHER. ESCHYLUS-constituting Vol. XIII. of Harper's Classical Family Library. New York : HARPER & BROTHERS .- The translation here offered of the Tragedies of Æschylus is by the Rev. R. Porter; and it is received by scholars as one giving as distinct a glimpse, as translation ever can, of a great original. The volume is preceded by an Essay, or a large portion thereof, on the Grecian Drama, &c. together with a Memoir of Æschylus, from the pen of Mr. Harford, which that gentleman had prefixed to his translation of Agamemnon. To the scholar and to the unlearned both, this will be a welcome volume.

THE CHRISTIAN YEAR-Thoughts in Verse for the Sundays and Holidays throughout the Year-Phil: CARRY, LEA & BLANCHARD.—The author of these "Thoughts in Verse," beautiful and breathing, is the Rev. Mr. KEBLE, Professor of Poetry in the University of Oxford. The American Editor we take to be the Right Rev. Bishop of New Jersey-himself a poet, and the more alive, therefore, to the po etical beauties of a work devoted to aid the influence of the sublime Liturgy of the Episcopal Church,

"Apart from its high poetical merit," says the American Editor, "the Christian Year is recommended most earnestly for its pure, affectionate and elevating character, as a family book." We cannot more effectually confirm the opinion thus expressed, than by copying the lines on

HOLY BAPTISM.

Where is it, mothers learn their love?
In every Church a fountain springs
O'er which th' eternal Dove
Hovers on softest wings.

What sparkles in that lucid flood Is water, by gross mortals cy'd: But seen by Faith, 'tis blood'; Out of a dear Friend's side. A few cales were

ew calm words of faith and prayer, few bright drops of holy dew, Shall work a wonder there Earth's charmers never knew. Bhall work a wonder there.

Earth's charmers never knew.
O happy arms, where crailed lies,
And ready for the Lord's embrace.
That precious sacribes.

That precious sacrifice, The darling of his grace!

lest eyes, that we the snilling gle Upon the slumbering features gle When the life-giving stream Touches the tender brow!

Or when the holy cross is sign'd, And the young soldier duly sworn With true and tearless mind To serve the Virgin-born.

thappiest ye, who seal'd and blest back to your arms your treasure ta. With Jesus' mark impress'd To nurse for Jesus' eake: whom—as if in hallow'd air Ye knelt before some awful shrine—His innocent gestures west. A meaning sulf divine: whom Love's daily touch is seen

whom Love's daily touch is seen a strengthening form and freshening bue, In the fix'd brow serene, The duep, yet eager giew.— Who taught thy pure and even breath Ta come and go with such sweet grace? Whence thy reposing Faith, Though in our frail embrace?

tender gem, and full of heaven! Not in the twilight stars on high,

eet one, make haste and know Him to him own adopting Father love, That like thine earliest dew Thy dying sweets may prove.

We should add, that the typographical execution of the volume is excellent.

A HISTORY OF THE CHURCH, PROM THE EARLIEST Ages to the Repormation. By the Rev. Goorgi WADDINGTON, M. A. Fellow of Trinity College, Cam bridge. I vol. New York: Harper & Brothers. We have here, by a Protestant Episcopal clergyman a history that strikes us, from the perusal of many of its chapters, as eloquent, learned, and impartialif impartiality can be attained by any one who has strong and honest convictions, that amid contending sects, his own is clearly right.

The history of the Church is, in some sense, the history of the errors and wanderings, of the vices and virtues, of our common nature. It is, therefore, of more universal interest than any mere profance history. It is, too, addressed to our eternal as well as temporal interests. We think that Mr. Wadding. ton has imparted to this volume, large as it is-fo it contains nearly 600 pp. of double columns a degree of attraction, that will commend it to read ers of all classes.

The book is stereotyped, and in a fine, clear, legi ble character. Extracts are, of course, quite insuf ficient to impart any just idea of such a work as this In presenting the following, therefore, we are rather tempted by the circumstance, that in his narrative of the persecution of the Christians by Marcus Antoninus, Mr. Waddington opposes himself directly to the authority of Gibbon:

Murcus Antoninus. - It seems singular, that a his Murcus Antoninus.—It seems singular, that a his-torian, who makes great profession of candor and universal humanity, should almost have excepted from the number of persecutors the only name (as far at least as this part of our inquiry) to which that ignominious designation appears justly and certainly to belong: for under all the preceding emperors, the injuries inflicied upon the Christians had either been casional, as arising from some casual circumstance or staining only a portion of their reign; or pur tial, as confined to a few provinces, or perhaps ci-ties of the empire. Moreover, they had been some times excited, and generally encouraged, by popula irritation; they had been directed against a sma and obscure and calumniated sect, through the ope ra ion, and according to the seeming intention, of the ancient statutes. And the efforts of individual empe rors, were, for the most part, turned rather to the s pension or mitigation of these statutes than to the rigid enforcement of them. In addition to this, let us not for get, that those individuals possessed little means or op-portunity to inform themselves respecting the pecu-liar principles, doctrines, or habits of Christians; still less to examine the foundation of their belief, or even to understand that it had any foundation :they permitted the work of destruction to proceed, in ignorance and blindness. hand, Marcus Antoninus undertook the task of 'pun-ishment' or prosecution among the earliest of his im perial duties, and he continued to fulfil it with unremitting diligence throughout the nineteen years of his eplendid administration. He acted on liberal principles, and his principles were not of partial of local operation, but were equally applicable to every province of his empire. And thus he every where enforced the laws in their full severity; the lives and the property of the convicted were forfeited by the most summary process of justice; and the search which was made after the suspected, and which the uninformed humanity of Trajan had so nobly dis couraged, sufficiently proves the activity of the pursuit, and the earnestness of the pursuer, but the most important distinction is probably this:

Marcus Antoninus knew much better the nature of the evil which he was committing: he was acquainted, to a certain extent at least, with the opinions of the Christians, and the innucence of their character; and it is not likely that he had entirely character; and it is not likely that he had entirely neglected to examine the grounds of their faith. He watched the process of his own inflictions, and when he perceived the fortitude with which all endured, and the eagerness with which many courted them, he coldly reproved the unphilosophic enthusiasm of the Martyrs. And yet, perhaps, his own philosophy was not quite devoid of enthusiasm, or, at least, it was

ot strictly regulated by reason, when it he labor for the destruction of the most meral and portion of his subjects, only because they disclait the very superstitions which he placed his prid despising. Nor again was his practice consistent with his professed contempt of these: for it is and seemingly on good foundation, that Marcuston nines was frequent in consultation with the C dwan sages, deeply conversant with the mysteries of astrology, credulously attentive to encular prophecy, obedient to the premonitions of dreams, which he believed to descend from Heaven—assertions not incredible, nor inconsistent with his studies or his principles; and there is ground to hesitate whather we should not rather convict him of superstition than hypocrisy. But it is certain that his u standing was of the broadest and most compr sive description; that it was enlightened by worldly knowledge, and fortified by frequent a ditation; that his character was founded in exditation; that his character was founded in excelent dispositions, confirmed by the best principles which were known to the Pagan world. His general regard for justice has never been questioned; even his humanity is commonly celebrated; and if the representations of history be not exaggerated, he reached as high a degree both of wisdom and of moral excellence as is attainable by the unassisted faculties of man—and yet this prince polluted every year of a long reign with innocent blood. In our natural anxiety to honor every form of he

man excellence, we search for his excuse in the reman excellence, we search for his excuse in the religious policy so long established in the empire.—
But we find that those of his prodecessors who were disposed to soften or suspend its operation upon Christians, possessed the power to do so; and we cannot doubt that the despotic authority of Marcus would have enabled him to revise or repeal those oppressive statutes, if he had learnt from the books of his philosophers the virtue or the meaning of Toleration. This, indeed, is the real and only ground of his defence; and we shall regard his conduct with less indignation, if we reflect how feather the mightiest principles of conduct with conduct with less indiguation, if we reflect how fea-ble were the mightiest principles of conduct with which he was acquainted; on what a loose and shift-ing foundation they rested; how large was the class of virtues which they did not comprehend, and how imperfect were the motives which they proposed for the practice of any. And thus considered, we shall discover, perhaps, some trace of heavenly providence in the circumstance, that the imperial philosopher, flourishing in the maturity of his science, and defi-cient in nothing which nature or man could bestow, was armed with the highest temporal authority and permitted to direct it against the infancy of our faith. From the splendid imperfection of Marcus Antoni-nus, from the perseverance of his powerful enthity, from its final failure, we may learn what narrow from its final failure, we may learn what narrow limits have been assigned to the virtue and wisdom and power of unassisted man; and we derive a new motive of gratitude for that heavenly aid, which has fixed our social happiness on a certain and eterm foundation.

The greatest prince of antiquity was succeed by a son, who neither inherited his virtues, nor imitated his crime; so far from this, that we might almost imagine it to have been the object of Commomost imagine it to have been the object of Commo-dus to redeem his numerous vices by his humanity towards the Christian name.

Severus ascended the throne in the year 193, and is represented by Tertullian to have bestowed testimonies of approbation on several distinguished Christians, and openly to have withstood the popular fury which assailed the sect. But this account will apply only to the earlier part of his reign; for in the year 202 (about the time of the publication of Ter-tallian's A wlogy) he issued an edict, which indirect ly occasioned a variety of inflictions, the most barbarous of which appear to have been perpetrated in Egypt. The professed object of that edict was only to prevent conversion either to Judaism or Christia ity; for the fears of the emperor began to be awak-ened by the extraordinary progress of the latter.— Its effect was to oppress and forture the most zeal-ous ministers of the faith, and to inflame the preous ministers of the faith, and to inflame the pre-judices of the people against all believers. This en-actment continued in force for about nine years, un-til the death of Severus; and from that period, if ine death of Severus; and from that period deed we excent injuries inflicted by Maximin (from 235 to 238 a. p.,) and directed chiefly against the instructors and rulers of the churches, the Christians, though accasionally liable to popular ortrage, had not much reason to complain of the injustice of the government until the accession of Decius, in the year 249.

ANYOCATE OF STEERING AND SOLEMENTS.

新春春

of the past to read the future, does this little pamphlet present accurate and full means of information.

LA REVUE FRANÇAISE, pour Aout. N. Y., Hos-KING & SHOWDEN.

LA FRANCE LITERAURE, Vol. 5, No. 2. N. Y.

Bonaparte, the inexhaustable Bonaparte, supplies one of the most attractive papers in the first named of these periodicals. It is a supplement to the Memoirs and Recollections of the Duke de Gaete, Minister of Finance under the Empire. It is too long. however, to be translated, at least for today. From La France Literaire we take a shorter one, also connected with the glories of Napoleon, and which certainly records a most extraordinary and, to us, entire ly new military feat:

Presence of Mind and Courage of General Bethenceurt.—At the moment when the first Consul a the head of the army of reserve was about to cross the great Saint Bernard, he ordered General Bethen court with a corps of 1100 men to move upon Avons g the Simplon. Arrived at the pass of this General found himselt suddenly

Yeuselle, this General found his checked by an unforeseen obstacle.

The wooden bridge, thrown across a mountain torrent some sixty feet wide, having been carried away by an avalanche, all means of communication between the two banks were cut off: the bed of the of the slightest structure, and which was used only by foot-passengers and mules, was built on wooden beams, of which one end was inserted in holes in the rock, and the other was supported by a cross General Bethencourt, whose orders to advance were imperative, resolved at any hazard to do so; and he proved in the end what a resolute pur-

e can effect

He remarked that the holes in which the b had been inserted were perfect; the weight of the falling timber having drawn out the whole of it. A volunteer, whose name even, at that epoch of prodi-gies, no one thought of inquiring, proposed to let himself down so as to place his feet in these holes, and then, sided by some little inequalities in the reck, to get down, swim across the torrent, and as cend as best he could the opposite wall. The in id soldier immediately carried his purpose into effect in the presence of the whole army, trembling at every instant lest he should fail in the unheard of The anxious eyes of all followed his move ments with intense interest: they behold him reaching, after imminent perils, the borders of the foaming stream, and instantly casting himself into the waves broken with rocks. He reaches the opposite bank; and then, with the assistance of his bayonet bank; and then, with the assistance of his bayonet and an iron hook, he digs his way up, as it were, an almost perpendicular wall of rock. The summit attained, he proceeds to fasten securely the end of a rope he had carried with him, of which Gen Bethencourt held the other end; this is then drawn tight, court held the other end; this is then trawningly, and the General, by way of example, swings himself by his hands from this rope, and thus passes over the abyss. The soldiers emulously follow, and one by one, each carrying his arms, his knapsack, and 60 rounds of cartridge, the whole body passed over in the same way. The detachment immediately took the same way. The detachment immediately took up the march, descending the mountains to the plains of Italy, and had the honor to arrive on the field of Merengo at the height of the battle, and in time to take part in and sustain the movement of Dessaix which determined the victory.

formerly Head Clerk in the Dep't of the Interior

GALE MIDDLETON, a novel, by the author of Brambletye House-2 vols., Philadelphia, Carey, Lea & Blanchard.

Horace Smith, in the hero of this new work, has struck out an original character, which he sustains, with a great variety of difficult scenes.

The insolence of fashionable "Exclusiveness," and the meannesses of the low ambition to be admitted within its precincts, are incidentally displayed with great force; but they will neither correct the one nor check the other.

THE FAREWELL ADDRESS OF WASHINGTON. New York : C. C. WRIGHT & DURAND .- The Xylographic Press of these artists has added another historical or neighborhood until the portending political events cension document to their series, executed in the same gol- in Spain shall decide them to fix upon a more per- 23° 33'. Press of these artists has added another historical

the mutations of public opinion, and from the lessons | den colors and finished manner as the Declaration of Independence and the Constitution of the United States, heretofore published by them. They have thue, in a convenient and ornamental form, furnished three documents, with which every American should be thoroughly familiar.

> New Music .- The week has been prolific of nev Music. From Atwill's Music Saloon, 204 Broadway, we have a Set of Quadrilles, arranged for the piano forte, from the Pirata by J. B. Duvenoy-La Valse Tyrolienne, from the opera of La Fiancée-"On the mountain high," a Tyrolese song, sung by Madame Otto, at Niblo's-" The Young Arab," s ballad, by Geo. Hargreaves.

> From James L. Hewitt & Co., 137 Brosdway, we have "The Motherless," as sung by Miss Cawse and composed by C. A. Hodson. "The Mountaineer's Return," a Son of the Alpine peasants, composed and arranged by L. Devereaux. "Meet me by the Linden tree," a ballad, of which music and words both are by Geo. Linsey. "The Golden Girl, a ballad, sung by Mrs. Wood; and "The Dew Drop," a celebrated Rondo, sung by Miss Paton, Miss Stephens, and Madame Malibran, composed by C. E. Horn

> The pieces from Hewitt's are very handsomely go up, and each ornamented with an appropriate litho graph.

FOREIGN INTELLIGENCE.

ONE O'CLOCK .- By the Columbia, Captain Britton we have received London dates to the 28th July, from which we make the following extracts. No Liverpool papers have yet been received.

London, Monday, July 28 .- Both Houses met or

Saturday.

In the Lords, the Lord Chancellor took his seat of the Woolsack at 4 o'clock. Dingle and Lapworth, two individuals who have been in custody of the Sergeant at Arms, for refusing to appear at their Lordships bar to give evidence on the Warwick Dis-franchisement Bill, were brought up, and upon their undertaking to appear and give evidence whenever called upon to do so, they were ordered to be discharged upon payment of their fees.

It was then ordered that the Warwick Bill should be further proceeded with on Tuesday next, at 10 o'clock in the morning.

Soon after 5 o'clock, Mr. Charles Wood, accom-

panied by several other members of the House of s, presented the bill at their Lordships' bar The Bill was received, and on the motion of Lord d a first, and ordered to be read a se cond time this day. Their Lordships then adjourned.
The Commons met at twelve o'clock.

Lord Althorp moved the order of the day for the third reading of the Irish Disturbance Suppression Bill .Mr. Remayne, as an amendment, moved "That the Bill be read a third time that day six months. After some discussion, the House divided, and there appeared for the amendment, 21; against it, 82. The Bill was then read a third time.

Mr. O'Connell then proposed to insert in the Bill two clauses, to provide that nothing in the bill should e construed to prevent officers being tried by a civil tribunal for offences committed against individuals A conversation of some length followed, and termi nated in a division, when there appeared for the clauses 24; against them 69.

Upon the question that the Bill do pass, another division took place, when the numbers were for the passing of the Bill 60: against it 25. The Bill was

The House then resolved itself into a Committee on the Stamp Acts, and leave was given to bring in a Bill to repeal the Stamp Duty upon Almanacks.

In reply to a question put by Mr. O'Dwyer, Lord Palmerston said the opinion of the Law officers of

he Crown was that General Moreno was not amena

ble to any tribunal in this country.

The House adjourned at a quarter past Five.

PORTSMOUTH, JULY 26 .- The royal consort of Do Carlos, and her sister, (the Princess of Beira,) with the three children of Don Carlos and their household retinue, returned to their lodgings in this town on Wednesday afternoon. It is the intention of the royal family to take up their residence in this place

manent residence. We understand that if Don Car-los should prove unsuccessful in his present enter-prize, he will embark in the Lulworth yacht, which has been provided for his safety. This vessel left Boulogne on the 6th instant, and is now cruising off the coast, between Bayonne and St. Sebastian.

of a call the exthethethethethe

liv

TY

at

Iri

co

fre

Ter

Ch

We have received the Paris Papers of Friday.—
The portion of their contents which is most interesting, is that which relates to Spanish affairs, and the progress of Don Carlos. The accounts given in the different journals are contradictory in the extreme. By some of them it is stated that the Prince continues to act with most applied. continues to act with great caution, confining him-self to the mountainous parts of the country, and studiously avoiding a descent into the plain to which General Rodil is most anxious to draw him. Other accounts represent him as proceeding in his enterprize with every prospect of ultimate success, and that his agents are actively employed in the purchase of arms and ammunition for his service both in France and England. The Indicateur of Bordeaux says, "The report of an insurrection at Madrid, meets no credit here." The following is the only extract by these papers:

The Journal de Paris says:—'Don Carlos continues retired in the mountains, studiously avoiding

a descent into the plain, where General Rodil wishes to draw him. No news of an engagement has yet been received. Letters received to-day from Rodil announce that he has taken all necessary measures, and expresses a confident hope of success.'

" BRUSSELS, JULY 24. OFFICIAL .- " The King of Belgium having notified his acceptance to the Spasish Government, the Queen Regent of Spain has, by a special decree with the council of Ministers, recognized the Kingdom of Belgium, and appointed M. Chevalier P. L'Allemtaca Argaiz, Charge d'Affaires at Brussels.-[Moniteur.]

Brussels papers to the 24th instant were received last night. By the extracts which we have given below, it wil be seen, that up to the 12th instant Don Miguel was still at Turin, though his residence there was not expected to be of long continuance. His inclination, it appears, would lead him to Vienna, but doubts are entertained whether it would suit the policy of that Court to receive him at present. Should such be the case, he has determined to fix his resi-dence at Rome. These papers contain no information on any other subject.

Joseph Bonaparte, the ex King of Spain, (under the title of Comte de Survilliers,) who with a part of his family and suite, have been staying at the Crown Inn, Uxbridge, some few days, and who has, to-gether with his brother Jerome, taken the mansion of the late B. Way, Esq., Denham-Place, near Ux-bridge, for a term of years, have left for that place. having waited the completion of some necessary re-pairs.—[Windsor Express.]

In relation to the British Post Office, it is stated in an official report, that in addition to the immense quantity of property passing daily through the Post Office, the amount of which it is not possible to estimate, and the numbers of letters constantly enclose sing sovereigns and money (about 700 a day in and passing through London only) there are not less than 1000 letters annually put into the post without any address whatever. In many of these letters there are valuable enclosures, and in the course of a single year there have been above 100 letters of this description, which on being opened for the purpose of being returned to the writers, have contained pre-perty to the amount of between £20,000 and £30,000.

The quantity of tea, on which duty was paid in Great Britain for the year ending January, 1834, was 31.829.075 lbs.

According to an official return of the number of criminals in England and Wales, for the seven years ending with 1833, they amounted to 131,818.

The Russian journals give a statement of the present population of St. Petersburg. The number of male inhabitants is 291,290, and of females 153,845, total amount, 444,135. In this number, 1,968 are ecclesiastics, 38,894 belong to the nobility, and 47,548 to the army. 47.548 to the army.

New Comet.—On the 8th of April, it is stated, Professor Gambart, at Marseilles, discovered a new comet, of a pale light color, with a diameter of four or five minutes. Owing to the state of the atmosphere, and its disappearance on the 13th, little has been ascertained of the stranger, except that on the 10th, 16h. 33m. 45s. sidereal time, its right ascension was 20° 9′ 7″, and the south declination Among the curiosities which M. Ruppel has brought from Abyssinia, are two remarkable manuscripts. One is a Bible, said to contain a new work of Solomon, one or two new books of Esdras, and a considerable addition to the fifth Book of Esther, all perfectly unknown in Europe. It also contains the Book of Enoch, and fifteen new Psalms, the existence of which was already known to the learned. The other manuscript is a species of code, which existence of which was already known to the learned. The other manuscript is a species of code, which the Abyssinians date from the Council of Nice (324), the epoch at which it was promulgated by one of their kings. This code is divided into two books: the first relates to canonical law, and treats of the relations of the Church with the temporal power; the other is a sort of civil code. There are also some remarkable hymns, because they present the return of consonancy, the only feature of poetry to be found in Abyssinian literature.—[Galignant.]

be found in Abyssinian literature.—[Galignant.]

Odessa, April 22.—Another valuable remnant of antiquity has been found at Kertsch. It is a magnificent sarcophagus of fine white marble, six feet in length, and twenty-seven in breadth. Oa the lid are two colossal figures; one is that of an old man, leaning on his left arm, and holding a half-unrolled paper. The other is a woman, on whose shoulder the old man rests his right hand. On the sides of the sarcophagus are several groups in alto-relievo.—Every part of the sarcophagus is of admirable workmanship, and proves that the artist must have lived when Grecian art was in its greatest splendour. Unfortunately it is not entire; but all the pieces belonging to it have found, se that it may be entirely restored.

ng

he of

CB

r.] red on lia

oli uld

na-

der

t of

wn ion

ted

nso ost 68clos and han any

gle

of

000. d in

r of

ears

r of 845, are

new four nosThere has been lately imported into France by a traveller of the name of Delangremer, a new fruit called "Nafe d'Arabie." It would appear that this fruit possesses tranquillizing and soothing properties, and that its medicinal use may be regarded as of high importance

importance.

Pedestrianism.—On Tuesday evening, after a very heavy fall of rain, Coates, the predestrian, accomplished an extraordinary feat in Brown's grounds, at Brighton. He commenced by picking up fifty stones placed one yard apart in a straight line, and put each singly into a basket (the distance being nearly two miles); this he did in eleven minutes. He then walked a mile in seven minutes, wheeled a barrow one mile in eight minutes, walked backwards half a mile in six minutes, ran a pair of coach wheels half a mile in five minutes and a half, hopped 100 yards in half a minute, and lastly, jumped over twenty common hurdels five yards apart in one minute; the whole occupying fifty-seven minutes and a twenty common nurders nive yards apart in one min-ute; the whole occupying fifty-seven minutes and a half. The match was stated to be for 251., and Coates was liberally backed. He has scarcely recovered from the fatigue he had undergone when he offered to bet 101. to 51 that he completed a similar task the same evening within the hour. There was a very considerable concourse of spectators.

Long Island.—The farm of the Misses Stewart at New Ulricht on the Narrows, about nine miles from the city, and consisting of one hundred acres, was sold by auction last Thursday for \$47,000. We understand a city is to be built upon it. The situation is very pleasant. The advance in real estate on Long Island, and on Staten Island, within the last year, has been very great,-[Jour. of Com.]

is said, for we have not seen it-an address to the Irish, warning them of a purposed invasion of their country by the United States of America!

from Dummerston, (Vt.) informs us that the drought is so great in that vicinity, that the grasshoppers are reduced to mere skeletons, and sit upon the fences, with tears in their eyes, for the want of something wherewith to satisfy the cravings of hunger!

Accident.—As a gentleman (Mr. Isaac Heard, of Charleston,) and his lady were on Saturday evening passing the Railroad in Newton, they were run over by the Worcester and Boston Railroad Locomotive Engine. Thair horse was instantly killed, and the carryall dashed to pieces. Fortunately, Mr. Heard and his lady escaped unhurt. Mr. Heard was not aware of being in the neighborhood of the Railroad track. One of the cars was thrown off the road by the shock.

whenever a train of railroad carriages approaches a es and inhabitants were engulphed.

Champlain reached the dock yesterday afternoon at 4 o'clock, from Albany; whence she started at 6 o'clock; and made all the usual landings. Time, 10 hours,—distance 150 miles,—price of passage

The Champion, opposition boat, was only about ten minutes behind.

[From the Troy Daily Advertiser of yesterday.]
QUICK PASSAGE.—The steamboat Erie, Capt. Benson, left the wharf at N. York, yesterday, at 6 A. M., and arrived in this city at 4h. 53m. P. M. She arrived at Poughkeepsie at 10h. 58m. A. M., and at Albany at 3h. 53m. P. M.; having performed the trip from New York to Albany—deducting the time lost in making 13 landings—in the short period of nine hours and one minute.

hours and one minute.

Rev. Dr. Bedell.—The religious community of Philadelphia, and the friends of religion generally, will hear with regret of the death of this eminent divine. He expired on Saturday morning, at i alt more, on his way to this city. He had spent a good portion of the summer at the mineral springs of Bedford, without receiving any essential benefit, consumption being, in fact, the malady by which he was finally swept from life. Dr. Bedell was a pure, noble minded, and highly intellectual man. As a clergy man, he was eminently popular; as a scholar, authentic in his taste, and rich in his attainments. In all deeds of charity and goodness he was pre-eminent. While the memory of his well-spent life remains, his name cannot cease to be cherished with a reverent affection by every lover of piety and talent.—[Philad. Com. Intel.]

The following extract is from a letter received here today of the 12th ult., from the Island of Trinidad :

today of the 12th ult., from the Island of Trinidad:

"Our island has been in the greatest uproar and confusion since the 1st inst. The negroes are flocking into town and refusing to work as apprentices under the new act for six years—the militia have been under arms for several days in succession, doing night duty also. About 100 negroes have been sent to jail for various terms of punishment, and many have been publicly flogged. They have at last consented to go to work; but I doubt much whether they wont break out every now and then when the whim takes them. Indeed one can hardly wonder at their discontent, for it cannot be denied by any one of com-

sent to jail for various terms of the was at lead to be for 25%, and Coates as liberally backed. He has searcely recovered me faigue he had undergone when he offered the extension of the searce of the common thanks of the united states, and the searce of the common thanks of the united states, and the united states of the united states, and the united states of the present distinct the united states of the united states, and united states of the united states, and united states of the united states, the united states, and united states of the united states

Quarantine by Proxy .- The Charleston Courier

says:—
"The steam packet William Gibbons, went to see on Saturday night. The John Stoney, after having taken the passengers out of her that arrived from New York, took her place, and will perform the quarantine to which the W. G. had been subjected."

Amherst College.—The Commencement, on Wednesday, is said to have been of a highly respectable character. The number of strangers present was very great. The degree of A. B. was conferred upon thirty young gentlemen.

The day preceding Commencement, a discourse was delivered before the literary societies, by Gulian C. Verplanck of New York. This discourse is spoken of by those who heard it, as a very able and highly finished production.

The Degree of D. D. was conferred, we understand,

The Degree of D. D. was conferred, we understand, upon Rev. George Redford of England; and that of L. L. D. upon Gulian C. Verplanck.—[Springfield (Mass.) Republican.]

(Mass.) Republican.]

[From the Boston Commercial Gazette.]

HARVARD UNIVERSITY.—At a meeting of the Board of Overseers, at the Council Chamber in Boston, August 25, 1834, the following resolutions were reported by a committee and unanimously adopted:

14 Resolved, That the students of Harvard University, have no just or equitable claim to exemption from prosecution before the civil and criminal tribunals of the commonwealth, for trespasses upon property, or against persons, whether belonging to the University or otherwise.

the University or otherwise.

2. Resolved, That the proceedings of the President and Faculty of Harvard University, on the occasion of the recent riots and disturbances among the students at that Seminary, meet with the entire approbation of this Board.

rent affection by every lover of piety and talent.—
[Philad. Com. Intel.]

Col. Don Vincent Bausa, Governor, ad interim, of the city of Matanzas, died at that place of apoplexy, on the 12th ult.

Emancipation of this Board.

3. Resolved, That the Circular published in the name of the Senior Class of Harvard University, relating to the recent riotous disturbances among the Students at that Seminary, is of a disorderly character, and entirely inconsistent with the station and duties of undergraduates at that University.

We are authorized to say, that on the above oc-

casion, there was a numerous attendance of the Board of Overseers, and that every vote and resolu-tion in relation to the above subject, was passed nemine contradicente.

We observe by the Boston papers of yesterday that the Annual Commencement was held as usual on Wednesday.

[From the Philadelphia Hereld.]

BANK OF THE UNITED STATES.—At the General
Triennial Meeting of the Stockholders of the Bank
of the United States, held at their Hall, in the city
of Philadelphia, on Monday, the first day of Septem-

From the London New Monthly Magazine, for July.]

SKETCHES OF HUMAN POLITY.

Perhaps there is nothing less surprixing in the history of human weakness than the deep and painful belief in the existence of spirits, of a friendly and of a hostile character, which may be traced through almost every age and every climate. When a men is walking alone in the gloom of night, he feels that he has to trust to his mind for the light that is to conduct him on his journey. The outlines of his own frame are no longer visible to the eye, all outward objects assume a similar shadowy form, and between the optical illusions which are projuced by darkness, and his alarm for his own safety, he recoils more and more upon the spirit that is within him for the succor of which he stands in need. Under these circumof which he stands in need. Under these circum-stances, it is almost unavoidable, unless he be en-dowed with a firm and well disciplined intellect, that being at the moment much more conscious of his ethe rial than of his physical nature, he should people the forest or the plains around with phantonis of every

One of the most extraordinal v instances that have One of the most extraordinally instances that have fallen within my notice so far as concerns the general faith in the existence of spirits, and consequently in the possibility of the dead returning again to life, is the crory of Johannes Cantius, which was related to Dr. Henry More by a Silesian physician, and the truth of which cannot be disputed. I do not, of course, mean to express my belief in the tale that Cantius after his death appeared again in his native town; it is certain, however, that his townsmen were violently agitated for some time by rumors to that effect, and that these rumors were credited to a great extent throughout the whole province of Silesia.

Cantius was one of the Aldermen of the town of Perisch, and bore a high reputation for integrity and good sense. The Mayor sent for him one day to assist in settling a dispute which had taken place between some wagoners and a merchant of Panno

When the reference was brought to a conclusion the Mayor invited Cantius to supper; the invitation was accepted. The supper, as usual in all mansion-houses, was excellent, and nobody enjoyed the feast more than Cantius, who frequently exclaimed, while more than Cantus, who frequently excitained, while he quaffed the Mayor's best Rhenish, "It is good to be merry while we may, for mischiefs grow up daily" Being obliged, however, to leave the party early, in consequence of a journey which he had to perform, he returned home, went to his stable, and ordered out one of his geldings. When the horse was led to the door, it appeared to have lost a shoe Cauting lifted the leg of the animal to look at the hoof, when it gave him a violent kick in the stowhen it gave . He ried out immediately that he was a dead for that his interior was all on fire. He fell man, for that his interior was all on fire. He fell sick, and exhibited the greatest agony of mind, saying that his sins were so enormous that they could never be forgiven. This disclosure was so inconsistent with the general habits of his life, that no person could account for it, until by some means it was discovered, or suspected, that, with a view to sequre his worldly interests, he had sold his soul to the Prince of Darkness. It was then remembered, though a prosperous man, his riches came to him enough a prosperous man, his riches came to him very suddenly, and that a mysterious black cat was seen frequently in his company. The moment of his death was signalized by the commencement of an awful tempest, which raged at his funeral still more tremendously; but when he was buried, all was calm again, as if the earth had been relieved of the pre-

After he was buried, a rumor arose that a spirit was seen walking about on the premises of the late Afderman. The report received "confirmation strong" from the watchman of the ward, who deposed that he heard unusual noises in the house, as if persons were within it, throwing the furniture and persons were within it, throwing the furniture and everything else about in the most reckless manner. He added that the gates, which were carefully barred every night, were found wide open very early in the morning, although nobody was known to have withdrawn the bolts, or to have passed through the gates. The agiltation of the scene extended even to the late worthy alderman's horses. They appeared in the morning covered all over with foam, as if they had been ridden vast distances during the night, and yet it would appear from the strange noises they yet it would appear from the strange noises they de, that they had never been out of the stable.— The dogs performed their part in the general incan-tation, for they kept the whole town awake by bark-ing and howling the night long in a most extraordi-nary manner.

A maid servant of Pertach, who paid peculiar at-

m the London New Monthly Magazine, for July .] [[that she heard some person riding up and down the stairs on horseback, and galloping through the rooms. The house shock to its foundation, and she thought every moment that it would tumble about her care. The windows were filled with flashes of lurid light. The new master of the house, not knowing what to think of the matter, went out one morning to explore the adjacent territory; snow was on the ground, and he clearly traced upon it the impressions of feet, which were neither those of a horse, nor the cow, nor of any known animal. But the alarm of the town became indescribable, when it was ascertained that Cantius had been actually seen by several per-sons riding up and down in the court-yard of his ci-devant domicile, and not only here, but also in the public streets, and along the neighboring vallies and hills, with a terrific rapidity, as if he had been chawith a terrific rapidity, as if he had been cha sed by some infernal buntsman. The ground flashed with fire as he fled on his courser over the rocks and

ridges of the mountains.
At one time Cantius was seen wrestling with an unhappy Jew, and torturing him with the most ton ferocity. At another, a wagoner reported that as he approached the town. Cantius met him and vomited the in his face. The parson of the parish was every night rolled backward and forward in his bed by Cantius, who did not leave him until he was quite exhausted. The parson's wife was treated in the same manner by Cantius, who usually penetrated through the casement in the shape of a dwarf. A boy's lips were found pressed together in such a way that he could not open them again. This was the work of Cantius. At a certain hour of the night, the candles burned with a dismal blue flame. It was the sure token of the approach of Cantius. Bowls filled over night with milk, were found empty in the morning, or the milk was turned into blood; old men were discovered in their beds strangled; the water in the fountains was defiled; cows were already sucked dry when the milk-maid claimed her usual tribute; dogs were seen dead with their brains knock. ed out, and the poultry disappeared-all these extra-

ordinary occurrences were the doings of Cantius.

In the shades of the evening a head appeared looking out from the window of an old tower; suddenly it changed its form, and assumed that of a long staff, or a horrible monster—it was Cantius, in short, so numerous were the shapes which this unquiet ghost assumed, and such was the terror which he excited among the good folks of Pertsch, that travellers avoided the town, trade decayed, and unquiet ghost assumed, and such the citizens were impoverished so much, that mea-sures were at length taken for the purpose of ascer-taining whether the alderman was dead or alive.— Accordingly, a body of the people proceeded to open his grave; all his neighbours non-existent who had been buried before or after him, were found to have undergone the usual process of "dust to dust, while the cuticle of Johannes was as soft and florid and his limbs as supple, as if he had only just fallen asleep. A staff was put into his hand—he grasped it with the strength of a giant. His eyes opened and closed again. A vein in his leg was lanced, and blood issued from it in a copious stream. All this happened after Cantius had been reputed to have occasion. copied his grave six months. An inquest was held on the body, for which there was a precedent in the case of a shoemaker of Breslaw, and the judges condemned the alderman to be burnt. But a difficulty will remained to be got over; for, with all the efforts they could make, they could not remove the body from the grave; it was so heavy. At length the citizens had the good luck to discover the horse which had killed Cantius, and, though the tug was tremendous, this animal succeeded in disinterring the remains. Another formidable obstacle to the absolute dissipation of the body remained to be con quered; it was placed over a fire, but it would not quered; it was placed over a fire, but it would not burn! It was then cut into small pieces, which were reduced to ashes, and the spirit of Cantins never appeared again! This is a very extraordinary story. But its preservation, and the minuteness with which it details so great a variety of circumptances, clearly show that, even if it wholly invented, it must have been, at all events, suited to the credulity of the age.

I have read many wonderful things about Iroland, in a strange legendary account of that country,

which I have met with; but the tradition of the Laughing Skull possesses a sort of horrible drollery altogether unequalled. It is said that a comic actor or minstrel, by name Clepsanus, once flourished in that Island, who was the Liston of his time; his

fretted his hour upon this stage of life, he made his exit, and was buried in the church yard, where, in due course of time, all that was mortal of him disappeared save his perioranium. The grave-digger, while making room in the same spot for a new claimant, shevelled up the skull of the minstrel, new claimant, shovelled up the skull of the minerel, and, without at all remembering to whom it had once belonged, placed it on a large stone that was on the surface of the earth. Some stragglers came into the churchyard, and happening to approach the said stone, they set up such a peal of laughter that the grave-digger was astonished. He looked about to ascertain the cause of their mirth, when his eye talling on that part of the caput, from which the mouth and tongue of Clepsanus had formerly set so many an audience in a roar, he too, yielded to the contagion, and laughed till he could dig no longer. The funeral train, for whose reception he had been preparing, next appeared, rending the air with that preparing, next appeared, rending the air with that melancholy howl, which even yet may be heard in some parts of Ireland, on such occasions. But as the procession advanced, and reached within view of the skull of Clepsanus, the netes were suddenly changed to shouts of irresistible merriment. The tradition adds, that this singular relic might be seen

Among the curiosities

ven within a century or two ago.

The death of Henry IV. (assassinated by Ravaillac) placed not only the Queen, but I may add the interests of the kingdom, entirely in the hands of Galigai.
Her ambition knew no bounds. Her husband was raised to the dignity of Marechal d'Ancre, and provided with a munificent income. Her apartments in the palace were soon crowded with courtiers of the first rank in the country. She had the insolence to shut her doors against them, whenever she chose to be relieved from their importunities. It was said that when she thus secreted herself, she was employed in inconstitutes the chiest of which was to ployed in incantations, the object of which was to preserve her influence over the Queen, and to it immutable. The young King, Louis XIII., was one day playing in his apartments, which were near those of the Marechale. Disturbed by the noise, she went and told him that he must desist, for that the noise gave her the migraine. Outraged by heraudacity, the youth answered, that if his noise reached her chamber, Paris was large enough for her to choose another. This slight occurrence got bruited abroad, and conduced not a little to direct the tide of pub-lic opinion against both Galigai and her husband; they were hated by the King, the nobility, and the

Several persons, who evinced peculiar hostility to the two adventurers, died in a mysterious manner.— Their deaths were publicly attributed to the contri-vances of the Marechale, to which her magical powers enabled her to have recourse. Concini wa sassinated by the direct orders of the King. She heard the intelligence without a tear—without even the slightest emotion. But when she was informed that his body was exhumed and burnt as that of a convic-ted sorcerer, she trembled for the fate that impended over herself. She was ordered to the Bastile. fore she was removed from her apartments, they were plundered of every description of property which they contained,—her splendid furniture, her matchless caskets filled with jewels, and even of her wearing apparel-under the pretence of searching for the instruments of her supernatural operations. She was obliged to appear before a commission spe-cially appointed to try her. She was accused of being cognizant of the treason of Ravaillac, and of assisting him to carry his designs into exec assisting nim to carry its users into the control of the principal charge against her was that of sorticity; and in proof of her guilt, certain letters were produced which were written by her secretary, addressed to a Jewish Physician named Montallo. It was deposed that after the arrival of this Italian Jew at Paris, the Marechale ceased to attend mass, and that she very frequently carried in her mouth small balls of wax, from which she divined whether her enemies were likely to die or live. It was furth stated by her own coachman, that he had seen her sacrifice a cock in the church at midnight; and the Procureur-General cited several authorities from Hebrew books to show that this oblation was Jewish brew books to show that this oblation was Jewish and Pagan, and could have had no other object in view than that of contributing to the magical ceremonies practised by the prisoner. It appeared also in evidence that the Marechale frequently expressed her repugnance to be looked at by particular persons, because they enchanted her, and that she was known to have often consulted Isabel, a to for they kept the whole town awake by barkin that Island, who was the Liston of his time; his
face was such a farce in itself, that any person, no
manner.

manner.

mand servant of Persech, who paid peculiar atin the transactions that were going on, swore AMERICAN HATEROAD JOURNAY.

1 W

3)

.

e

to id

ner

ie

i.

to ri-

Whe ic-

ey er ingial neise

orne

Ital

ew

all

her

Het in

ex. hat

mel

Albertus bore their murmurs with great complacen-cy, and with some difficulty persuaded them to take their seats at the table. They took care, however, to wrap themselves in their cloaks, and to secure themselves against the cold as well as they could. No sooner were they seated than the snows melted No sooner were they seated than the snows melted away, the trees put on their summer dress, and were peopled with various birds that made the air resound with their melody. The ground was carpeted with fresh verdure, and a group of youthful pages splendidly attired appeared ready to wait on the guests, and viands and wines of the most luxurious description seemed self-arranged on the table. The sudden transition from winter to summer extended even to the skies, for the temperature of the atmosphere became so high that the prince and his followers were obliged to divest the melves of their cloaks and other superflaous garments. The change was enchanting beyond expression. The prince was delighted, and readily yielded the suit of the triar. The grant was no sooner made than the table and the beautiful pages vanished, the snow came down from the heavens in sheets, the song of the birds censed, the trees again faded to their wintry aspect, and the guests, hastening to resume the garments which they had put aside, were very glad to betake themselves to the neighboring cottages for shelter.

The Emperor Jehangire to whese averages as taken.

ing to resume the garments which they had put aside, were very glad to betake themselves to the neighboring cottages for shelter.

The Emperor Jehangire, to whose curious autobiographical Memoirs I have already alluded, gives us an account of an entertainment which he received, very similar to that provided by Albertus, with this difference, that in the East the wonders of the scene were avowedly wrought by artificial means. He was proceeding in the winter season from Mandou to the province of Gujerat, when he was invited to spend soms days at the vills of a nobleman near Ahmedabad, whose daughter was one of the inmates of his harem. The young lady was the director of the preparations on the occasion. If In the course of five days, says the emperor, "by employing various artificers of the town, to the number of four hundred individuals, in different branches of decoration, she had so effectually changed the appearance of the gardens, by making use of colored paper and wax, that every tree and shrub seemed as abundantly furnished with leaf, and flower, and fruit, as if in the very freshness and bloom of spring and summer. These included the orange, lemon, peach, pomegranato, and apple; and among flowering shrubs, of every necies of rose, and other garden flowers of every description. So perfect, indeed, was the deception produced, that when I first entered the garden it entirely escaped my recollection that it was no longer the spring of the year nor the season for fruit. ception produced, that when I first entered the gar den it entirely escaped my recollection that it was no longer the spring of the year nor the season for fruit, and I unwittingly began to pluck at the fruit and flowers, the artificers having copied the beauties of Nature with each surprixing truth and accuracy You might have said, without contradiction, that it was the very fruit and flower you saw, in all its bloom and freshness. The different avenues throughout the garden were at the same time furnished with a variety of tents and canopies of velvet of the deepest green; so that these, together with the verdure of the both contrasted with the variegated and lively tints of the rose, and an infinity of other flowers, left altografher such an impression on my mind, as that in altografher such an impression on my mind, as that in the very season of the rose I never contemplated in

found in her cabines, were brought forward as proofs of the sillicis means which she had adopted in order to enaker the mind of the decen. "My only soccept," has about mind of the decent. "My only soccept," has about seen the power which a strong mind must always exercise over a weak one." She met her death with grant firmness; the catastrophe was afterwards eelebrated in a ragedy, entitled. "The Foreign Magician."

The manufacture of Brazon Men, was at one period a favorite object of pursuit among the magicians of the comision. The providence of a favorite object of pursuit among the magicians of the comision. The best of these automata seems to have been the router of all, questions rin the studies of the course, was an exaggeration. But certainly Albertus was no common practitioner in the art. Being desirous to pay his court for William, then Earl of Holland, from whom he wished to obtain a grant of a certain tract of land on which he intended to erect a convent for his order, he invited the prince to a magnificant entertainment. It was the depth of winter, the ground was covered with anony, and writer prince to a magnificant entertainment. It was the depth of winter, the ground was covered with anony a nevertheless, the preparation, for the banquest were many faint in the open air. When William and his retinue a rolled that he was not all the was covered with anony a nevertheless, the preparation, for the banquest were practiced to the court, and and much amonged to find that they were to distinguish and to it. The office of certain tract of land on which he intended to erect a convent for his order, he invited the prince to a magnificant entertainment. It was the depth of winter, the ground was cowered with anony, a new theorem the prince to a magnificant entertainment. It was the depth of winter, the ground was cowered with anony a nevertheless, the preparation, for the banquest was to be held, they were not all the same and the court of the prince to a magnificant entertainment. It was the depth of winte

ing the magician by the haud, as if nothing had occurred between them.

But this was not all. Ziito then successively assumed the likeness of a variety of persons; now resembling one individual, now another. At one mother ment he appeared in the most ragged attire, in the next his garments were of the most sumptuous description. He flew, as it were, in the air; not, however, as if he were sustained by wings, but as if he were sailing in an invisible ship, rising and descendin with an undulating motion, without touching the earth; and all this without any apparent exertion on his part. The guests of the King were seated at the banquet; they put out their hands to help themselves to the dishes before them; in the very act their hands were converted, by the influence of Ziito, into cloven feet! He went down to the court-yard, where he appeared in a carriage drawn by cocks and where he appeared in a carriage drawn by cocks and hens. While the royal guests were crowding the windows to behold this exhibition, he planted the antlers of the stag on their heads. They could not withdraw from the windows; and he availed himself of the opportunity to apply to his own use the most dainty luxuries he could find on the table at which

they had been sitting!
Ziito was at one time very much in want of some Zitto was at one time very much in want of some cash. He took up a few grains of corn, and metamorphosed them into as many hogs. These he drove to the house of a dealer in swine, to whom he sold them for ready money. He warned the dealer not to drive them to the river side for water—a hint which the man laughed at as a joke; but when he did drive them thither, the moment they touched the element the animals resumed their pristine character of grains of corn. The dealer, in a furious passion, sought out the enchanter all over Prague. At length he met with him in a shop, and charging him with the imposition which he had practised, demanded back the purchase money. Zitto, having no money in his purse, preserved a dogged silence. The angry creditor took hold of his leg to pull him into the street; the leg and thigh came away from the body of Zitto, who summoned his muilator before a magistrate for the injury he had received. His worship was of opinion that the loss of the limbs was a fair set-off against the debt, and Zitto escaped the prosecution of his dupe. against the d

It was currently believed in England, in the four-teenth century, that Raymond Lulli, a magician from thenth century, that Raymond Lulli, a magician from Majorca, who was said to have gained possession of a philosopher's atone, and who was actually invited to this country on that account by Edward I., supplied that monarch with six millions of money, to enable him to carry on the war against the Turks. Lulli boasted little of his power of transmuting the base metals into gold. He said that his "great art" was a certain hidden faculty, by which he enabled any person to argue for many hours consecutively in the most logical manner, on any subject whatever, even though the party had never before paid the matter the slightest attention. Had Lulli flourished in our days, he would be an invaluable acquisition to many members of Parliament.

RAILROAD IRON, &c.

RAHLROAD IRON, &c.

\$\mathcal{C}\text{ Sealed proposals will be received until the 13th day of September next, for the immediate delivery thereafter at Suffolk. Va., of 250 tons of Railroad Iron in bars from 14 to 18 feet in length—2 inches wide by half an lach thick—pierced with counteraunk holes-jths of an inch in diameter, 1 foot or 13 inches apart from centre to centre; and for 16 tons of Spikes 4 linches long end it is of an inch in diameter. Spectmens of the latter, and drawings of the rail abowing the size and shape of the hole, shape of the rail, and angle of the scarf, will accompany each bid.

WALTER GWYNN, Civil Engineer.

Engineer's Office, Portsmouth & R. R. R. R. Suffolk, Va., August 18.

TO RAILROAD COMPANIES.

TO RAILROAD COMPANIES.

3.7 The subscriber having erected extensive machinery for the manufacture of the Iron Work for Railroad Cars, and liaving made arrangements with Mr. Phiehas Davis, patentee of the celebrated wire drilled wheels, will cauble him to fit up at short notice any number of cars which may be wanted.

The superfority of the above Wheels has been fully tested on the Bultimore and Ohio Railroad, where they have been in constant use for some months past. Having fitted up Wheels for six hundred Cars, the subscriber flatters himself that he can execute orders in the above line to the satisfaction of persons requiring sixth work. The location of the shop heing on the tide-waters of the Chesapeake Bay, will enable him to ship the work to any of the Atlantic ports, on as reasonable terms as can be offered by any person. All orders will be excented whit despatch, and the week warranted. When there are but a few settle wanted, the chills and patterns are to be furnished, or the company pay the expense of making the same, and if required, will be excited it with the wheels. All Wheels furnished and fitted by the subscriber will have no extra charge on account of the patent right:

Samples of the above Wheels, which have been broken to show their superiority, may be seen at the office of the Railroad Jurnati, at the Bepot of the Boston and Providence Railroad, Beston; and at John Arnold's shop, near the Broad street House, Philadelphia. All orders directed to W. & P. PATTERSON, Baltimore, or to the subscriber, Joppa Mills, Little Gunpowder: Post-Office, Baltimore county, Maryland, will be attended to:

DEAN WALKER. 2.30

RAILWAY IRON.

N	inety-five	tone of	1 inch by	1 inch.	Flat Bars in
11	200		14 do.	4 do.	feet counter sunk
1,000	40		i do.	do.	holes, ends cut at
B.U.	800	do.	do.	do.	an angle of 45 de-
1	800	do.	di do.	do.	grees with spli-
soon expected.					cing plates, nails
arritals.	printetin	Addison to		nd wind pit	to suit.

chairs, keys and pins.

Wrought Iron Rims of 30, 33, and 36 inches diameter for Wheels of Railway Cars, and of 60 inches diameter for Loco-

Wheels, of Railway motive wheels,
Axles of 24, 23, 24, 3, 34, 34, and 34 inches diameter for RailwayCars and Locomotives of patent from.
The above will be sold free of duty, to State Governments and Incorporated Governments, and the Drawback taken in part payments.

9 South Front street, Philadelphia.

part payment.

9 South Front street, Philadelphia
Modele and samples of all the different kinds of Rails, Chaf
Pine, Wedges, Spikes, and Splicing Plates, in use, both is disposed of the sample them.

Town SEND & DURFEE, of Fairman, Manufacturers of Railroad Rope, having removed their establishments Huison, under the name of Durfee, May & Co. offer to supply Rope of any required length (without splice) for inclined planes of Railroads at the shortest notice, and deliver them in any of the principal cities in the United States. As to the quality of Rope, the public are referred to J. B. Jervis, Eng. W. & H. R. R. Co., Albany; or James Archibshi, Karmeer Hadson and Delaware Canal and Railroad Company, Carbon lale, Luzerne county, Pennsylvania.

Hudson, Columbia county, New-York, January 29, 1833.

[FOR THE NEW YORK AMERICAN.]
LINES ON THE DEATH OF A YOUNG FRIEND.

low of I've gazed upon this face, And seen upon this brow, now cold, seep passions linger, and could trace Where each in turn had left its mould

Where each in turn had left its mould.
And this, then, is the end of all
The hopes you fondly cherish'd—
All ended here in space so small—
And with thy youth have perish'd.
And this that I now gaze upon
Is doom'd to darkness and decay;
For Death in thee his work has done,
And ta'en thee from the cheerful day.
I'd mourn for thee, but that I know,
Thou had'st a hope beyond the tomb;
A hope that now does brighter grow,
A star amid surrounding glosm.

THE DEAD CHILD.

"She was my idol. Night and day to scan
The fine expansion of her form, and mark
The unfolding mind, like vernal rose-buds, start
To sudden beauty, was my chief delight.
To find her fairy footsteps following me,—
Her hand upon my garments,—or her lip
Long scaled to mine,—and in the watch of night
The quiet breath of innocence to feel
Noft on my check,—was such a full content
Of happiness, as none but mothers know.
Her voice was like some tiny harp that yields
To the slight finger'd breeze,—and as it held
Long converse with her doll, or kindly soothed
Her moening kitten, or with patient care
Conn'd o'er her alphabet,—but most of all
Its tender cadence in her evening prayer,
Thrill'd on the ear like some ethereal tone,
Heard in sweet dreams.—
But now I sit alone,
Musing of her,—and dew with mournful tears
The little robes that once with woman's pride
I wrought, as if there was a need to deck
What God had made so beautiful. I start,
Half fancying from her ennys crib there comes
A restless sound,—and breathe accustom'd words

What God had made so beautiful. I start,
Half faneying from her empty crib there comes
A restless sound,—and breathe accustom'd word
Hush, hush, Louisa, dearest."—Then I weep,
As though it were a sin to speak to one
Whose home is with the angels.
—Gone to God!
And yet I wish I had not seen the pang
That wrung her features, nor the ghastly white
Settling around her lips. I would that Heaven
Had taken its own like some transplanted flower
Blooming in all its freshness.—
—Gone to God!
Be still, my heart!—what could a mother's pray.
In all its wildest ecstacy of hope,
Ask for its darling like the bliss of heaven?"

RAILEO AD AND CANAL MAP.

HIS long promised Map is now ready for those who wist. It size is 24 by 40 inches. It is put up in a convenient ped test form, in morocce covers, and accompanied by over 70 pages of latter press, giving a concise description of, or reference to each Road and Canal delineated on the Map. It will also be put pin Marble Paper covers, so as to be forwarded by mail to any part of the country; the postage of which, cannot exceed 44 and probably not 25 cents, to any part of the county.

Published at 35 Wall street, N. Y, by

12 if

D. K. MINOR & J. E. CHALLIS.

Published at 35 Wall street, N. x., by

12 tf

D. K. MINOR & J. E. CHALLIS.

D. K. MINOR & J. E. CHALLIS.

PRACTICAL TREATISES OF CIVIL ENGINEERING,
ENGINEER BUILIAING, MACHINERY, MILL WORK,
ENGINEEM BUILIAING, MACHINERY, MILL WORK,
ENGINE WORK, IRON FOUNDING, &c. &c. Designed
for the use of Engineers, Iron Masters, Manufacturers, and Operative Mechanics. By Charles John Blunt and R. Macdonald
Stephenson, Civil Engineers, Architects, &c. &c. Consisting of
examples worked through their entire detail of fundamental
principle, organization, and mocess of execution; and being is
overy case the known great works of British and Foreign Eigineering complete at length. Exemplifying the practical application of the Laws of Statics, Dynamics, Hydraulics, Hydraulics, Phydraetatics, Panumatics, and General Mechanics; accompanied by
full reports, specifications, estimates, and journal of progress;
and illustrated by the formule, calculations, tables, &c. in use
by the first authorities. The working plans and general views
of these important subjects are laid down in original drawings
of great practical accuracy and careful execution, and occupyand unique. Division i. is received. For sale, and subsubscriptions are solicited, by

WM. A. COLMAN, No. 122 Broadway,
English Publication Warehouse.

ALBANY SEED STORE AND HORTICULTURAL RE

ALBANY SEED STORE AND HORTICULTURAL RE POSITORY.

The subseriber having resumed the charge of the above establishment, is now enabled to furnish traders and others with FRESH GARDEN SEEDS, upon very favorable terms, and of the growth of 1833, surranted of the best quality.

The greatest care and attention has been bestowed upon the growing and saving of Seeds, and none will be sold at this establishment excepting t hose raised expressly for it, and by experienced seedsmen; and those kinds imported which cannot be raised to perfection in this country; these are from the best houses in Europe, and may be relied upon as genuine.

It is earnestly requested whenever there are any faliures here after, they should be represented to the subscriber; not that it is possible to obviate unfavorable seasons and circumstances, but hat satisfaction may be rendered and perfection approximated.

ALS—Friench Luccen, White Dutch Clover, White Mulberry Seed, genuine Mangel Wurtzel, Yellow Locust, Ruta Baga, and Field Turnip Seeds, well worth the attention of Farmers.

W. THORBURN,

347 N. Market St. (opposite Post Office.

W. THORBURN,
347 N. Market st. (opposite Post Office
the Catalogues may be had at the Store; if sent for by n
will be forwarded gratis. Orders solicited early, as the be
unties can be done in the execution.

* Mr. Thorburn is also Agent for the following publication.

YORE FARMER and American Gardener's Magazine Managazine American Magazine & Impro-

STEPHENSON.

ulder of a superior style of Passenger Cars for Railro No. 264 Elizabethstreet, neur Bleecker street, New-York.

RAILEOAD COMPANIES would do well to examiness Cere; a specimen of which may be seen on that part he New-York and Harlem Railroad, now in operation.

J25 tf.

RAILROAD CAR WHEELS AND BOXES, AND OTHER RAILROAD CASTINGS.

Also, AXLES furnished and fitted to wheels complete at the Jefferson Cotton and Wool Machine Factory and Foundry, Paterson, N.J. All orders addressed to the subscriber at Paterson, or 60 Wall street, New York, will be promptly at tended to. Also, CAR SPRINGS.

Also, Flange Tires turaed complete.

ROGERS, KETCHUM & GROSVENOR.

NOVELTY WORKS,

Near Dry Dock, New-York

THOMAS B. STILLMAN, Manufacturer of Stean-Engines, Boilers, Railroad and Mill Work, Lathes, Presses, and other Machinery. Also, Dr. Nott's Patent Tubular Boil ors, which are warranted, forsafety and economy, to be supe rior to any thing of the kind heretofore used. The fullest assurance is given that work shall be done well, and on rea sonable terms. A share of public patronage is respectfully solicited.



INSTRUMENTS.

SURVEYING AND NAUTICAL INSTRUMENT MANUFACTORY.

MANUFACTORY.

EWIN & HEARTTE, at the sign of the Quadrant, No. 53 South street, one door north of the Union Hotel, Balti more, beg leave to inform their friends and the public, especially Engineers, that they continue to manufacture to order and keep for sale every description of Instruments in the above branches, which they can furnish at the shortest notice, and on fair terms. Instruments repaired fwith care and promptitude, For proof of the high estimation on which their Surveying Instruments are held, they respectfully beg leave to tender to the public perusal, the following certificates from gentlemen of distinguished scientific attainments.

To Ewin & Heartte—Agreeably to your request made some

the public perusal, the following certificates from gentiemen or distinguished scientific attainments.

To Ewin & Heartte.—Agreeably to your request made some months since, I now offer you my opinion of the Instruments made at your establishment, for the Baltimore and Olio Railroad Company. This opinion would have been given at a much earlier period, but was intentionally delayed, in order to afford a longer time for the trial of the L.struments, so that I could speak with the greater confidence of their merits, if such they should be found to possess.

It is with much pleasure I can now state that not with standing the Instruments in the service procured from our northern cittles are considered good, I have a decided preference for those manufactured by you. Of the whole number manufactured for the Department of Construction, to wit: five Levels, and five of the Compasses, not one has required any repairs within the last twelve months, except from the occasional imperfection of a screw, or from accidents, to which all Instruments are liable. They possess a firmness and stability, and at the same time a neatness and beauty of execution, which reflect much credit on the artists engaged in their construction.

I can with confidence recommend them as being worthy the notice of Companies engaged in Internal Improvements, who may require Instruments of superior workmanship.

JAMES P. STABLER,

Superintendent of Construction of the Baltimore and Ohis Railroad.

I have examined with care several Engineers' instruments

I have examined with care several Engineers instruments of your Manufacture, particularly Spirit levels, and Surveyor's Compasses; and take pleasure in expressing my opinion of the excellence of the workmanship. The parts of the levels appeared well proportioned to secure facility in use, and accuracy and permanency in adjustments. These instruments seemed to me to possess all the modern improvement of construction, of which so many have been made within these few years; and I have no doubt but they will give every satisfaction when used in the field.

WILLIAM HOWARD, U. S. Civil Engineer.

Baltimore. May 1st, 1833.

WILLIAM HOWARD, U. S. Civil Engineer.

Baltimore, May Ist, 1833.

To Messrs Ewin and Heartte—As you have asked meto give my opinion of the merits of those instruments of your manuacture which I have either used or examined, I cheerfully state that as far as my opportunities of my becoming aquainted with their qualities have gone. I have great reason to think well of the skill displayed in their construction. The neatness of their workmanship has been the subject of frequent remark by my self, and of the accuracy of their performance I have received antisfactory assurance from others, whose opinion I respect, and who have had them for a considerable time in use. The offorts you have made since your establishment in this city, to relieve us of the uscessity of sending elsewhere for what we may want in our line, deserve the unqualified approbation and our warm encouragement. Wishing you all the success which your enterprize so well merits, I remain, yours, &c.

B. H. LATROBE,

Civil Engineerinthe service of the Baltimore and Ohio Rail road Company.

A number of other letters are in our possession and introduced, but are remained to the property of the

A number of other letters are in our possession and might be introduced, but are too lengthy. We should be happy to submit them, upon application, to any person desirous of perus g the same.

LOCOMOTIVE ENGINES.

THE AMERICAN STEAM CARRIAGECOMPANY, OF PHILADELPHIA, respectfully inform the public, and especially Railroad and Transportation Companies, that they have become sole proprietors of certain improvements in the construction of Locomotive Engines. and other railway carriages, secured to Col. Stephen H. Long, of the United States Engineers, by letters patent from the United States, and that they are prepared to execute any orders for the construction of Locomotive Engines, Tenders, &c. with which they may be favored, and pledge themselves to a punctual compliance with any engagements they may make in reference to this line of business.

business.

They have already in their possession the requisite apparaus for the construction of three classes of engines, viz. engines weighing four, five, and six tons.

The engines made by them will be warranted to travel at the following rates of speed, viz. a six ton engine at a speed of 15 miles per hour; a five ten engine at a speed of 21 2 miles per hour; a four ton engine at a speed of 21 2 miles per hour. Their performance in other respects will be warranted to equal that of the best English engines of the same class, with respect not only to their efficiency the conveyance of burthens, but to their durability, and the cheapness and facility of their repairs.

pairs.

The engines will be adapted to the use of anthracite coal-plne, wood, coke, or any other fuel hitherto used in locomotive

engines.

The terms shall be quite as favorable, and even more moderate, than those on which engines of the same class can be procured from abroad.

All orders for engines, &c. and other communications in reference to the subject, will be addressed to the subscriber, in the city of Philadelphia, and shall receive prompt attention.

By order of the Company,

WILLIAM NORRIS, Secretary.

December 2d, 1833.
Fr further information on this subject see No. 49, page 772, Vol. 2, of Railroad Journal.

SURVEYORS' INSTRUMENTS.
Compasses of various sizes and of superior quality

g.y- Compasses of various sizes and of superior quality warranted.
Leveling Instruments, large and small sizes, with high magnifying powers with glasses made by Troughton, together with a large assortment of Engineering Instruments, manufactured and sold by

E. & G. W. BLUNT, 154 Water street,

J316t

corner of Maidenlane.

a large assortment of Engineering Instruments, manufactured and soldby E. & G. W. BLUNT, 154 Water street, J31 6t Corser of Maidenlane.

SURVEYING; AND ENGINEERING

**ST The subscriber manufactures all kinds of Instruments in hie profession, warranted equal, if not experior, in principles of construction and workmanship to any imported or manufactured in the United States; several of which are entirely meso: among which are an Improved Compass, with a Telescope attached, by which angles can be taken with or without the use of the needle, with perfect accuracy—also, a Railroad Gonlometer, with two Telescopes—and a Levelling Instrument, with a Gonlometer attached, particularly a alspied to Railroad purposes.

Mathematical Instrument Maker, No. 9 Dock street, Philadelphia.

The following recommendations are respectifully submitted to Engineers, Surveyors, and others interested.

In reply to thy inquiries respecting the instruments manufactured by thee, now in use or the Baltimore and Ohio Railroad. I cheerfully furnish thee with the following information. The whole number of Levels now in possession of the department of construction of thy make is seven. The whole number of the "Improved Compass" is eight. These are all exclusive of the number in the service of the Engineer and Graduation Department.

Both Levels and Compasses are in good repair. They have in fact needed but little repairs, except from accidents to which all instruments of the kind are liable.

I have found that thy patterns for the levels and compasses have been preferred by my assistants generally, to any others in use, and the Improved Compass is superior to any other description of Gonlometer that we have yet tried in laying the rails on this Road.

This instrument, more recently improved with a reversing telescope, in place of the vane sights, leaves the engineer carceiy any thing to desire in the formation or convenience of the Compass. It is indeed the most compicated valuated to later a langles of any simple and cheap instrument th

gineers and Surveyors.

Germantown, February, 1633.

For a year past I have used Instruments made by Mr. W. J. Young, of Philadelphia, in which he has combined the properties of a Theodolite with the common Level.

I consider these instruments admirably calculated for layin out Railroads, and can recommend them to the notice of Engineers as preferable to any others for that purpose.

HENRY R. CAMPBELL, Eng. Philad.,

m1 1y

Germant, and Norrist. Bailroad